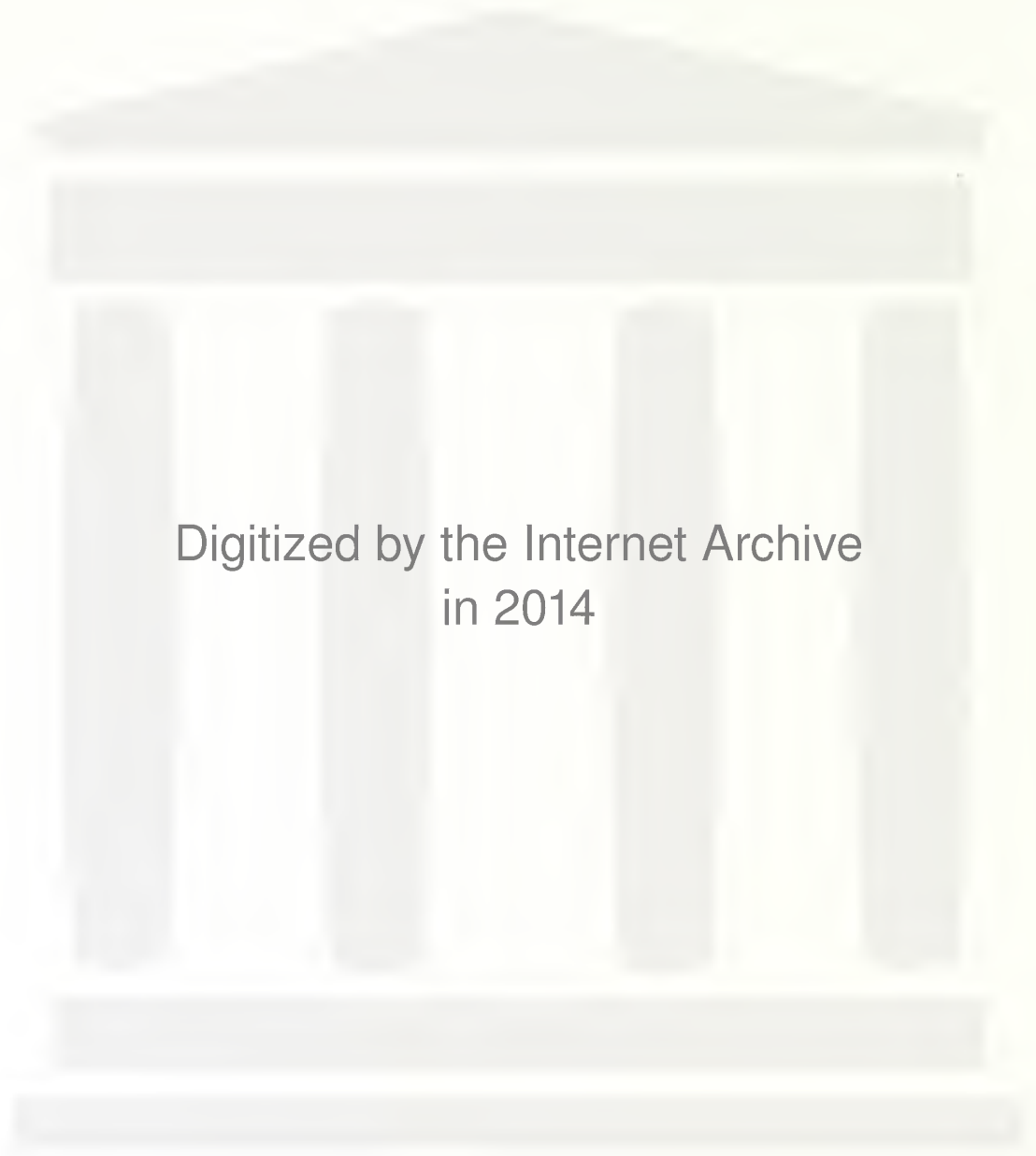
Westfield
STATE COLLEGE
BULLETIN

1996 – 1997


Digitized by the Internet Archive
in 2014

https://archive.org/details/westfieldstateco1996west

WESTFIELD STATE COLLEGE BULLETIN • 1996–1997

Westfield
STATE COLLEGE
B U L L E T I N

1996 – 1997

WESTFIELD STATE COLLEGE ACADEMIC CALENDARS

1996-1997 ACADEMIC YEAR

FALL 1996

September 3	College meetings
September 4	First day of classes
September 19	Convocation
October 14	Columbus Day - No classes
October 15	Monday schedule followed
October 22	End of first quarter
October 23	Start of second quarter
November 11	Veteran's Day - no classes
November 27	Thanksgiving Recess - Begins at 12:20 PM
December 2	Classes resume
December 13	Classes end - Day Division
December 16, 17,18,19,20	Examination period
January 2,1997	All grades due

SPRING 1997

January 21	Classes start
February 17	President's Day - No classes
February 18	Monday schedule followed
March 14	End of third quarter
March 17-21	Spring Break
March 24	Classes resume
	Start of fourth quarter
April 21	Patriot's Day - No classes
May 14	Classes end - Day Division
May 15 16,19,20,21	Examination period
May 21	Senior grades due by 4:00 PM - Day Division
May 24	Commencement
May 27	All other grades due by noon - Day Division

SUMMER 1997 CALENDAR - GRADUATE AND CONTINUING EDUCATION

SUMMER SESSION I

May 26	Memorial Day - No classes
May 27	Classes begin
July 3	Classes end
July 4	Independence Day - No classes
July 11	Grades due

SUMMER SESSION II

July 7	Classes begin
August 1	Last Summer Session II day class
August 11	Grades due Summer Session II day classes
August 14	Last Summer Session II evening class
August 22	Grades due Summer Session II evening

TABLE OF CONTENTS

ACADEMIC CALENDARS 2
COLLEGE MISSION STATEMENT 7
ACCREDITATION 7
UNDERGRADUATE PROGRAMS 7
ADMISSION 8
- Freshman Admission Day Division 8
- Freshman Admission Continuing Education 8
- Admission Profile 9
- Transfer Admission 9
- Internal Transfer 9
- Transfer Grade Policy 10
- Commonwealth Transfer Compact 10
- Foreign Student Admission 11
- Readmission Day Division 11
- Readmission Continuing Education 11

FINANCIAL AID 11
- Policies and Criteria 12
- Satisfactory Academic Progress and Financial Aid 12
- Federal Programs 12
- State Programs 12
- Private and Institutional Programs 12

COST OF ATTENDING WESTFIELD FULL-TIME DAY 12
COST OF ATTENDING WESTFIELD CONTINUING EDUCATION 13
WITHDRAWAL REFUND POLICY 14
- Tuition 14
- Board 14
- Room 14
- Other Fees 14

WITHDRAWAL REFUND FOR FIRST-TIME ATTENDEES/
FIRST TIME ON FINANCIAL AID 14
PAYMENT OF BILLS DAY DIVISION 15
PAYMENT OF BILLS CONTINUING EDUCATION 15
POLICY REGARDING OUTSTANDING DEBTS 15
STUDENT AFFAIRS 15
- Campus Center and Student Activities 16
- Wellness Center 16
- Career Services 16
- Counseling Services 16
- Veteran's Affairs 16
- Athletics 17
- Public Safety 17

ACADEMIC AFFAIRS 17
- Academic Advising 17
- Academic Achievement Center 18
- Academic Support / Tutoring 18
- Office of Minority Affairs 18
- Urban Education Program 18
- Student Support Services 18

LIBRARY FACILITIES 19
ADDITIONAL EDUCATIONAL PROGRAMS 19
Study Abroad Program 19
National Student Exchange 19
Cooperating Colleges of Greater Springfield 19
College Academic Program Sharing 20
Reserve Officers Training Corps 20
Division of Graduate and Continuing Education 20
COLLEGE LEVEL EXAMINATION PROGRAM 21
ADVANCED PLACEMENT 21
CREDIT FOR MILITARY EXPERIENCE 21
SCHOLASTIC REQUIREMENTS 21
Course Load Day Division 21
Course Load Continuing Education 21
Class Standing 22
GRADES AND CREDITS 22
Incomplete Grades 22
Failing Grades 22
Grade Appeals 22
Quality Point System 22
Calculating a Quality Point Average 22
COURSE REPEAT POLICY 23
COURSES TAKEN AT OTHER INSTITUTIONS 23
PASS/FAIL POLICY 23
One Credit 0100-Level Courses 23
0200/0300-Level Courses 24
EXPLANATION OF ACADEMIC RETENTION AND PROBATION POLICY 24
Table of Academic Standing Levels 24
Probation Regulations 25
Suspension Regulations 25
Dismissal Regulations 25
Committee on Academic Standing Day Division 25
Academic Standing: Continuing Education 25
Satisfactory Academic Progress/Financial Aid 26
ACADEMIC HONORS 26
The Honors Program 26
Dean's List Day Division 26
Graduation Honors 26
WITHDRAWAL POLICY AND THE NOTATION OF "W" 26
PROCEDURE FOR WITHDRAWING FROM COLLEGE
DAY DIVISION 27
LEAVE OF ABSENCE AND READMISSION
CONTINUING EDUCATION 27
STUDENTS CALLED TO ACTIVE MILITARY DUTY 27
ADDING COURSES 27
DIRECTED/INDEPENDENT STUDY COURSES 28
PRACTICUM, INTERNSHIP, CO-OPERATIVE EDUCATION 28

THE ACADEMIC MAJOR 28
Declaring a Major 28
Changing a Major 28
Adding a Major 28
Declaring a Minor 28
Completing a Minor 28
CLASS ATTENDANCE 28
ABSENCE DUE TO RELIGIOUS BELIEFS 29
EXAMINATIONS AND FINALS 29
GRADUATION 29
Requirements for Graduation 29
Graduation Ceremony Participation 29
Procedures for Graduation Day Division 29
Procedures for Graduation Continuing Education 29
Listing Major on Diplomas 29
CERTIFICATION FOR TEACHING 30
REQUESTING TRANSCRIPTS 30
ACADEMIC CONDUCT POLICIES 30
Academic Freedom and Responsibility 30
Academic Honesty 30
Examinations 31
Plagiarism 31
Multiple Submissions of a Single Paper 31
Copying Computer Software 31
Lab and Classroom Use 31
NON-ACADEMIC POLICIES 31
Alcohol and Other Drug Policy 31
Family Educational Rights and Privacy Act 32
Hazing Law 33
Medical History / Immunization Form 33
Affirmative Action, Non-Discrimination
and Diversity Policy 33
Sexual Harassment Policy 33
Discrimination Complaint Procedure 34
BACHELOR DEGREES BY MAJOR 34
Bachelor of Arts Degree 34
Bachelor of Science Degree 34
Bachelor of Science in Education Degree 34
COURSE PATTERN FOR DEGREE 34
Major 34
Minors 35
Common Core 35
Composition Component of Core 35
Electives 35
COMMON CORE OF STUDIES 36
CORE REVISIONS 37
COURSE NUMBERING 38
Department Identifiers 38
Numbering System 38
Frequency of Offerings 38

ACADEMIC DEPARTMENTS

ART 39
BIOLOGY 45
COMMUNICATION 50
COMPUTER AND INFORMATION SCIENCE 54
CRIMINAL JUSTICE 60
ECONOMICS AND MANAGEMENT 63
EDUCATION 71
ENGLISH/THEATRE ARTS 81
FOREIGN LANGUAGES AND LITERATURE 90
GEOGRAPHY AND REGIONAL PLANNING 94
HISTORY 100
LATIN AMERICAN STUDIES 105
LIBERAL STUDIES 106
MATHEMATICS 107
MOVEMENT SCIENCE, SPORT AND LEISURE STUDIES 111
MUSIC 118
PHILOSOPHY 125
PHYSICAL SCIENCE 128
POLITICAL SCIENCE 133
PSYCHOLOGY 136
SOCIOLOGY AND SOCIAL SCIENCE 140
WOMEN'S STUDIES 143

PERSONNEL

Trustees 145
Administration 145
Faculty 148
Librarians 154
Faculty Emeriti 154

CAMPUS MAP 158

COLLEGE MISSION STATEMENT

Founded in 1839 as the nation's first public coeducational teacher-training institution, Westfield State College is a small, primarily residential, comprehensive institution of higher education serving the citizens of the Commonwealth. The College offers programs leading to the Bachelor's and Master's degrees and the Certificate of Advanced Graduate Study. Emphasizing teaching, student advising, and a supportive atmosphere that encourages student involvement in the life of the College and the community, Westfield State College is a teaching institution whose primary mission is undergraduate education which focuses on the intellectual and moral development of its students.

Through its academic and extracurricular programs, Westfield State College helps students gain the knowledge, skills, and intellectual discipline needed to realize their potential as informed, contributing individuals in a complex, changing society. The College takes seriously its obligation to educate students comprehensively and liberally, so that they may be prepared not only to enter teaching and other professions and careers, but also to develop a commitment to lifelong learning and to service. A special characteristic of Westfield State College, inclusive of all the College's programs, is the belief that learning and scholarship are strengthened through outreach and community involvement. This focus has been long represented in the College's teacher preparation and liberal arts and sciences programs. Examples of these efforts include faculty and student involvement in school systems, government and community agencies, health care facilities, fine and performing arts groups, and public relations organizations. The development of new majors in regional planning, business management, mass communication, and criminal justice has led to practica, internships, and service opportunities in planning agencies, businesses and corporations, media outlets, and the criminal justice system.

By offering courses and programs in which the liberal arts and sciences and professional studies are integrated, the College provides students with an education in which the arts and sciences enrich their vision of professional studies with a sense of social responsibility and action. The general education program embodies the College's belief in the fundamental value of the liberal arts and sciences to provide breadth of knowledge and to develop essential intellectual skills common to all fields of inquiry. The program of majors offers additional opportunities to reinforce skills, to explore thoroughly a domain of knowledge, and to enhance professional competence. Traditionally, the College has focused on education and the liberal arts and sciences as programmatic emphases. Renewed interest -- nationally and in the Commonwealth -- in teacher preparation and in the general education of all students continues to make these important areas for the College. In response to changing needs in the Commonwealth, the College has also developed distinctive programs in regional planning, business, mass communication, movement science, computer and information science, and criminal justice.

Reflecting its heritage, Westfield State College stands proudly as a "people's college." Diversity in the student population, as well as in the faculty and staff, is encouraged by the College, and a respect for people of different backgrounds is promoted through both curricular and extracurricular activities. Recognizing its role in a public system of higher education in the Commonwealth, Westfield State College serves residential and commuter students, meeting the needs of many of the region's community college transfer students.

Building on a tradition of collaboration that is over 150 years old in preparing the Commonwealth's educators, Westfield State College promotes the development of close ties with the community by providing continuing education and service for a diverse range of educational needs and interests. Through scholarship, through service to the discipline, and through community involvement, faculty and students are invested in the life and work of their professions. The College offers students opportunities to develop as individuals through a variety of programs in and out of the classroom. Scholarship and learning are enhanced and reinforced by interaction with the community, demonstrating that education is a social investment, not an end in itself.

ACCREDITATION

Westfield State College is accredited by the New England Association of Schools and Colleges. The teacher education programs are accredited by the State Department of Education, Bureau of Teacher Certification.

UNDERGRADUATE PROGRAMS

Students wishing to earn a baccalaureate degree may matriculate in undergraduate degree programs through the Day Division or the Division of Graduate and Continuing Education.

The Day Division program is directed toward the full-time undergraduate student, and offers the full range of activities that are typically associated with an undergraduate institution, including opportunities to participate in intercollegiate athletics, student government, literary and performing groups, to name but a few. The undergraduate population is diverse, ranging from recent high school graduates to older adults. The Division of Graduate and Continuing Education offers a program geared to the needs of the part-time student, with an appropriate complement of academic support services available. Classes for Continuing Education students are generally offered at night, although students may take day classes on a space available basis.

With very few exceptions, students may enroll in any of the College's undergraduate programs through either division. Academic standards and policies are the same in both divisions, although the methods of implementing specific policies may vary because of the different patterns the undergraduate career may take for full and part-time students. Such differences are noted in the Bulletin where applicable.

For Day Division students, student records are housed in the Office of the Registrar, and all transactions related to student records and academic programs are executed through that office. The Office of Graduate and Continuing Education provides comparable service for Continuing Education students.

ADMISSION

FRESHMAN ADMISSION
DAY DIVISION

The Office of Admission reviews the applications of students who wish to matriculate in the undergraduate day division and pursue at least 12 credits of course work per semester. A student applying to the Office of Admission for entrance as a freshman directly from high school must supply the following information:

The Application Form and Fee
College Board Scholastic Assessment Test Scores (SAT-I)
An official high school transcript, beginning with grade 9 and including grades from the first marking period of the senior year, or acceptable evidence of equivalent preparation
Official transcripts of any college work attempted
An optional writing sample: a photocopy of a graded senior year English composition, including teacher's comments
Freshman applicants participating in a dual enrollment program as part of their high school experience must also submit a complete listing of college courses attempted. A final official transcript of the dual enrollment experience must be submitted immediately upon its completion.

The College has a selective admission policy. In accordance with the guidelines established by the Board of Higher Education and with the approval of the College Board of Trustees, Westfield State College has reserved the right to set higher minimum standards than those published by the Board of Higher Education for the State Colleges. In addition, freshman applicants must complete the following 16 college preparatory units:

4 units/years of English
3 units/years of Math (Algebra I and II; Geometry)
2 units/years of Social Sciences (including 1 unit of U.S. History)
3 units/years of Science, including 2 units with laboratory work
2 units/years of the same foreign language
2 units/years of electives (taken from the above list and/or the performing arts and Computer Science)

The State Board of Higher Education has established 2.6 (on a 4.0 scale) as the minimum standard for admission to State four-year colleges. Applicants with an average between 2.0 and 2.6 in their academic units will be considered, contingent upon their SAT-I scores and other application materials. Specific majors may require additional specific units for admission. Some majors also may require a performance test as part of the admission process.

Exemptions from these guidelines and the 16 units may be granted for applicants who qualify under specific guidelines determined by the Board of Higher Education. Contact the Director of Admission for further information.

Applicants who meet the minimum eligibility requirements are not guaranteed admission to the College. The successful applicant has achieved a solid academic record while maintaining a challenging academic program and will have demonstrated a willingness to contribute to the life of the community. Admission decisions are made on an individual basis by the Admission Staff beginning January 1 for the fall semester and December 1 for the spring semester after all required credentials have been received.

FRESHMAN ADMISSION
GRADUATE AND CONTINUING EDUCATION

All students applying for admission to an undergraduate degree program must supply the following:

The Continuing Education undergraduate application
A $30.00 application fee
A high school transcript or proof of completion of the General Education Diploma (GED)

Recent high school graduates (students who have been out of high school less than three years and have fewer than 24 college credits from an accredited institution) are subject to an Eligibility Index, established by the Commonwealth, based on class rank and SAT scores, and must complete the following 16 college preparatory units:

4 units/years of English
3 units/years of Math (Algebra I and II; Geometry)
2 units/years of Social Sciences (including 1 unit of U.S. History)
3 units/years of Science, including 2 units with laboratory work
2 units/years of the same foreign language
2 units/years of electives (taken from the above list and/or the performing arts and Computer Science)

The State Board of Higher Education has established 2.6 (on a 4.0 scale) as the minimum standard for admission to State four-year colleges. Applicants with an average between 2.0 and 2.6 in their academic units will be considered, contingent upon their SAT-I scores and other application materials. Under special circumstances, applicants may request an exemption from the Eligibility Index and the 16 units. Such an exemption may be granted for applicants who qualify under specific guidelines established by the Commonwealth.

For students who have never attended college and have been out of high school for three or more years, exemption from the unit requirements and Eligibility Index established by the Commonwealth may be granted. SAT scores should be submitted, if available. Westfield State College's College Board code number is 3523. Admission decisions are made on an individual basis upon review of all required materials.

ADMISSION PROFILE

Class of 2000 entering WSC Day Division September 1996

SAT-I range*	Verbal Score	Math Score
200-299	0%	0%
300-399	0%	5%
400-499	52%	54%
500-599	40%	35%
600-699	8%	6%
700-800	0%	0%

*Recentered scores

Rank in Class
TOP 10%..... 4%
TOP 25%..... 17%
TOP 50%..... 54%

Summary:
3190 freshman applications were received
2019 applicants were accepted
830 accepted students enrolled

TRANSFER ADMISSION

Students who have attempted to complete any transferable coursework at a regionally accredited college beyond high school graduation are considered transfer applicants. Transfer applicants who will have attempted and completed successfully less than 24 transferable credit hours (36 quarter hours) by their planned entrance date must submit:

The Application Form and Fee
Official, original transcripts from all colleges attended
A list of college course titles in progress at the time of application
An official high school transcript and SAT scores

Transfer applicants who will have attempted and completed successfully 24 transferable credit hours or more by their planned entrance date are required to submit the same credentials as other transfer applicants EXCEPT the SAT. Also, students who will have earned an Associates's degree from a Massachusetts Community College by their planned entrance date are exempted from submitting the high school transcript.

Failure to submit complete, official copies of all previous academic credentials constitutes academic misrepresentation and may cause an offer of admission to be revoked.

A minimum cumulative grade point average of 2.00 or C (exclusive of developmental or other nontransferable coursework) is required for transfer admission consideration; some major programs of study require higher grade point averages. Qualified Massachusetts community college graduates, particularly those who have fulfilled the Commonwealth Transfer Compact, are given priority for admission into all major programs of study.

A student who has completed the general education requirements of one state college prior to transferring to another state college is not obligated to meet additional or different general education requirements of the receiving college, with the exception of students transferring to the Maritime Academy and to or from Mass College of Art.

A student must complete successfully a minimum of one year as a full-time student (30 credits) and all remaining requirements for the major field of study to receive a baccalaureate degree from Westfield. All undergraduate non-matriculated students taking courses through the Division of Graduate and Continuing Education who wish to pursue a degree must matriculate (be accepted into a degree program) prior to the completion of the last 30 credits needed for graduation. In addition, some major programs of study require the completion of a minimum number of credits at Westfield State College.

Day Division admission is competitive and not guaranteed to all applicants who meet minimum eligibility standards. Transfer admission decisions are made on an individual basis beginning March 1 for the fall semester and December 1 for the spring semester after all required credentials have been received. The number of transferees accepted will be determined by existing vacancies in each degree program and the number of applicants deemed eligible according to cumulative grade point average. Admissions decisions of the Division of Graduate and Continuing Education are made on a rolling basis and take into account the special experiences of non-traditional students.

Once admitted to Westfield State College, the transfer student assumes a new cumulative average that is subject to academic policies established by the College.

A student transferring from a two-year institution is entitled to transfer for credit toward the bachelor's degree no more than two years (or 67 credits) of credit, which constitute the requirement of the associate degree program taken as a unit.

Transfer credits are accepted from regionally accredited colleges only, in academic disciplines that are compatible with the Westfield State College curriculum. Credits earned more than 10 years prior to a candidate's planned entrance date are evaluated on a course by course basis and will be granted up to a total of 40 credits, which comprises one-third of the bachelor's degree credit requirements. The minimum transferable grade for these courses is C.

INTERNAL TRANSFER

Enrolled full-time day students who wish to change their matriculated status to part-time or evening enrollment may do so without formally reapplying from the Day Division to Continuing Education. Requests to transfer academic records from the Admission Office or Registrar to Continuing Education will be processed within specific time periods on a space-available basis.

Similarly, students enrolled in degree programs through the Division of Graduate and Continuing Education who wish to change their status to full time day students may do so without formally applying to the Day Division. Both divisions use the same standards for the evaluation of courses to be accepted in transfer. For students switching divisions, both the offer of acceptance and the awarding of any transferable credits toward a degree program granted by one division become binding upon the other division.

TRANSFER GRADE POLICY

The minimum acceptable grade will be a C-.

This policy will not apply to courses taken under the 1990 Commonwealth Transfer Compact.

Courses taken at other institutions after a student's initial enrollment at WSC will be treated as if they had been taken at WSC.

This policy change was implemented for students entering in Spring 1995.

COMMONWEALTH TRANSFER COMPACT

(Effective January 1990 for students entering public two year colleges with a January 1992 effective date for students transferring into public four year colleges)

Requirements for Transfer Compact Status (Section I)

A student shall be eligible for Transfer Compact status if he or she has met the following requirements:

a. Completed an Associate degree with a minimum of 60 credit hours exclusive of developmental course work

b. Achieved a cumulative grade point average of not less than 2.0 (in a 4.0 system) at the community college awarding the degree

c. Completed the following minimum general education core, exclusive of developmental course work:

- English Composition/Writing: 6 credit hours
- Behavioral and Social Sciences: 9 credit hours
- Humanities and Fine Arts: 9 credit hours
- Natural or Physical Science: 8 credit hours
- Mathematics: 3 credit hours

The sending institution is responsible for identifying the transcript of each student who is a candidate for transfer under this compact.

Credits to be Transferred (Section II)

The 35 credits in general education specified in Section I will be applied toward the fulfillment of the receiving institution's general education requirements.

A minimum of 25 additional credits will be accepted as transfer credits by the receiving institution. These credits may be transferred as free electives, toward the receiving institution's additional general education requirements, towards the student's major, or in any combination, as the receiving institution deems appropriate.

Only college-level course credits consistent with the standards set forth in the Undergraduate Experience recommendations are included under this compact. Credits awarded by the sending institution through CLEP, challenge examinations, and other life-experience evaluations for course credit may be included when the community college certifies that a student qualifies under this compact.

Credits Beyond the Associates Degree (Section III)

To complete the baccalaureate degree, a student who transfers under this compact may be required to take no more than 68 additional credits unless:

a. The student changes his or her program upon entering the receiving institution, or

b. The combination of additional general education requirements, if any, and the requirements of the student's major at the receiving institution total more than 68 credits

Under these circumstances, transfer students will be subject to the same requirements as native students. (The term "native student" refers to students who began their undergraduate education at the baccalaureate institution.)

Admission to Competitive Majors or Programs (Section IV)

If because of space or fiscal limitations the receiving institution does not admit all qualified applicants to a given major or program, the receiving institution will use the same criteria for applicants who are transfer students under this Compact as it does for its native students.

Transfer Coordinating Committee (Section V)

A Transfer Coordinating Committee, convened by the former Board of Regents, will monitor use of the Transfer Compact, resolve appeals as they pertain to the provisions in this document, and collect and analyze relevant data.

Publication of Requirements (Section VI)

Each public college and university shall include in its official undergraduate catalog the provisions of the Commonwealth Transfer Compact. A transfer student may not be held to any degree requirements at the receiving institution that were established less than three years prior to transfer admissions.

Transfer Records
(Section VII)

The student with Transfer Compact status will be furnished by the receiving institution a list of courses to be fulfilled to earn a bachelors degree no later than the end of the semester the student enrolls. With the agreement of the student, a copy will be provided to the Transfer Officer at the sending community college.

Transfer Officer
(Section VIII)

The President or Chancellor of each public institution of higher education will identify an individual who serves as that institution's Transfer Officer. The Transfer Officer's responsibility will be to assist students with transfer activities.

Student Appeals
(Section IX)

A student who believes that the provisions of this Compact have not been applied fairly to his/her transfer application has the right to appeal.

Initially, differences of interpretation regarding the award of transfer credit shall be resolved between the student and the institution to which he/she is transferring. If the difference remains unresolved, the student shall present his/her evaluation of the situation to the institution from which the student is transferring. Representatives from the two institutions shall then have the opportunity to resolve the differences.

In the absence of a satisfactory resolution, differences on interpretation may be presented to the Transfer Coordinating Committee.

Effective Date
(Section X)

The effective date of this compact is January 1990 for students entering public two year colleges with a January 1992 date for students transferring into public four year colleges.

FOREIGN STUDENT ADMISSION

Any foreign student seeking admission to the College must fulfill the requirements established for freshmen or transfer students, and must submit official translations of all credentials not written in English. The Test of English as a Foreign Language (TOEFL) also is required of each applicant. Information on this requirement can be obtained from either the College Entrance Examination Board or the Educational Testing Service. All applications for admission to the Day Division from foreign students must be received by January 1 for entrance the following September. No foreign applicants are eligible for admission to the Day Division in the January entrance period. Foreign students applying to the Division of Graduate and Continuing Education may apply throughout the year.

READMISSION
DAY DIVISION

Students who leave Westfield State College because of academic failure are readmitted through the Registrar's Office. In order to return, students must take enough courses at another accredited college to raise their cumulative quality point average to the level required for the number of credits they have attempted (see Academic Standing).

Students who withdraw from the college in good academic, financial, and disciplinary standing may be readmitted through the Registrar's Office, provided that their absence has been no longer than one year. Students absent longer than one year but not longer than five years may be eligible for readmission through the Registrar's Office, depending upon their major and the availability of space. Any student denied readmission through the Registrar's Office may apply for readmission through the Office of Admission.

Students who have been withdrawn or dismissed by the college for disciplinary, financial, or other non-academic reasons may not reenter until the conditions established at the time of withdrawal have been met.

Students who are seeking readmission should inform the appropriate office as early as possible prior to their return in order to facilitate course placement.

READMISSION
CONTINUING EDUCATION

Students withdrawing from the Division of Graduate and Continuing Education in good academic, financial and disciplinary standing may be readmitted through the Continuing Education Office, provided that the absence has been no longer than five years. Students absent longer than five years or inactive in their program must reapply.

FINANCIAL AID

The primary purpose of the Financial Aid Office at Westfield State College is to insure that all students have equal access to the financial resources needed to pursue their educational goals. Westfield State College participates in a wide variety of federal, state and private programs. Assistance can be in the form of gift aid (grants and scholarships) and self-help programs (loans and work study). The Financial Aid Office staff is available to assist students throughout the financial aid process.

For additional information, call 572-5407. From areas in Massachusetts outside the Westfield local calling area, call 1-800-322-8401.

POLICIES AND CRITERIA

The policies and criteria for awarding financial aid are as follows:

1. The philosophy of financial aid is that the family has the responsibility to meet as much of the educational costs of their children as is reasonably possible. Financial Aid is a supplement to the family resources.
2. The Free Application for Federal Student Aid (FAFSA) must be completed and mailed to the College Scholarship Service before **March 1st** to receive priority consideration. FAFSAs submitted after the deadline will be considered on a funds available basis. The FAFSA can be obtained from the Financial Aid Office at Westfield State College or from a high school guidance office.
3. In addition to the FAFSA, students may be required to submit appropriate parent and student income verification to the Financial Aid Office.
4. Financial aid awards are not renewed automatically. Students must reapply each year.

SATISFACTORY ACADEMIC PROGRESS AND FINANCIAL AID

Full time students must be initially enrolled for at least 12 credits each semester. This determination is made by the Registrar's Office at the end of the ADD/DROP period each semester. Financial Aid awards are adjusted proportionately for those in part-time attendance through the Division of Graduate and Continuing Education.

Students must make satisfactory academic progress toward a degree. This means that students must successfully complete **at least** 24 credits each academic year (only 12 credits if enrolled for one semester during that academic year). This standard is adjusted proportionately for those students in part-time attendance through the Division of Graduate and Continuing Education. Credits are awarded for a course grade of D or better. Day students who fail to meet this requirement at the end of the Spring semester will be notified by the Registrar's office and will be ineligible for financial aid for the next academic year. However, students who are deficient in credits may use the summer following the academic year to earn additional credits to meet the satisfactory progress standard.

Appeals regarding satisfactory academic progress and financial aid eligibility may be submitted in writing to the Dean of Undergraduate Studies for Day Division students, and to the Dean of Graduate and Continuing Education for students in that division.

FEDERAL PROGRAMS

Westfield State College participates in several federal programs: Federal Pell Grant, Federal Supplemental Educational Opportunity Grant (SEOG), Federal Perkins Loan, Federal Work Study (FWS), Federal Direct Loans (subsidized and unsubsidized), and Federal Direct Parent Loans (PLUS).

STATE PROGRAMS

Westfield State College participates in the following state programs: Massachusetts Grant Program, Westfield State College Grant, Mass College Grant, Financial Aid Tuition Waiver, and the No Interest Loan Program.

PRIVATE AND INSTITUTIONAL PROGRAMS

Westfield State College offers a variety of scholarships annually which are credited toward college expenses. These local scholarships are not based on financial need.

COST OF ATTENDING WESTFIELD STATE COLLEGE AS A FULL TIME DAY DIVISION STUDENT *

	FALL 1996 SEMESTER	SPRING 1997 SEMESTER	TOTAL YEAR
TUITION:			
Tuition for Massachusetts Residents**	$ 669.00	669.00	1338.00
Tuition under proximity clause of New England Regional Program	$ 1003.50	1003.50	2007.00
Tuition for Non-Resident and Foreign Students	$ 2863.00	2863.00	5726.00
ROOM:			
Courtney	$ 1430.00	1430.00	2860.00
Apartments	$ 1305.00	1305.00	2610.00
Other Residence Halls	$ 1220.00	1220.00	2440.00
Single Room Charge	$ 275.00	275.00	550.00
Dorm Damage	$ 50.00		50.00
BOARD:			
19-Meal Plan (includes $75.00 flex dollars)	$ 733.10	733.10	1466.20
14-Meal Plan (includes $75.00 flex dollars)	$ 716.88	716.88	1433.76
10-Meal Plan (includes $75.00 flex dollars)	$ 700.64	700.64	1401.28

FEES:			
Student Activity Fee (All students)	$ 34.50	34.50	69.00
General Fee (Returning students)	$ 859.25	859.25	1718.50
General Fee (New and Transfer students)	$ 877.50	877.50	1755.00

OTHER FEES:	
Student Teaching (Practicum semester)	$ 100.00
Late Payment Fee	$ 25.00
Late Registration Fee	$ 25.00
Bad Check Fee	$ 25.00
Reinstatement Fee	$ 50.00
Parking Decal	$ 45.00

WAIVABLE FEES:	
Student Health Insurance	$ 350.00 Fall and Spring
	$ 235.00 Spring Semester Only
MASS PIRG	$ 5.00 per semester

DEPOSITS (non-refundable):	
Tuition Deposit	$ 50.00
Residence Hall Reservation Deposit (Returning Student)	$ 150.00
Residence Hall Reservation Deposit (New Student)	$ 50.00

COST OF ATTENDING WESTFIELD STATE COLLEGE AS A CONTINUING EDUCATION DIVISION STUDENT *

TUITION	
Massachusetts Resident **	$ 120.00 per credit
Non-resident	$ 130.00 per credit
Audit	$ 100.00 per credit

FEES	
Registration Fee	$ 40.00 per semester
Library Fee	$ 15.00 per semester
Capital Planning Fee	$ 35.00 per semester
Late Registration Fee	$ 25.00
Mandatory Health Insurance Fee (9 or more credits)	$ 350.00 (waivable if student has comparable coverage on another policy)
Commencement Fee	$ 75.00 (assessed during semester of graduation)
Bad Check Fee	$ 25.00 per check
Late Withdrawal Fee	$ 10.00
Student Teaching Fee	$ 100.00
Practicum Fee	$ 100.00
Parking Fee (annual sticker)	$ 25.00 Fall registration
	$ 12.50 Spring registration
	$ 12.50 Summer registration
	$ 45.00 Cross-registered students (Day classes)

* The schedule of fees and tuition, methods of payment and refund policies are valid at the time of publication of the BULLETIN and subject to change as required without advance notice.

** Tuition is free for persons 60 years of age and over. Admission granted on a space-available basis. Tuition-free students are responsible for paying all fees.

WITHDRAWAL REFUND POLICY

Commitments to faculty, staff and other costs of operation are made by the College in advance of the school year. They are based on anticipated student enrollment and residence hall occupancy and are not subject to change.

To be eligible for a refund, a student must formally withdraw from the College (see Procedure for Withdrawing from College). The amount of refund will be determined on the basis of the official date of written withdrawal. Forms may be obtained in the Office of the Registrar for Day Division students, or the Graduate and Continuing Education Office for Continuing Education students.

Due to the extremely heavy clerical demands during registration and the beginning of a semester, refunds should not be expected until at least four weeks after the start of a semester.

TUITION

If a student withdraws from the College, tuition refunds are made according to the following schedule:

New Students Day
- Prior to the beginning of classes: all tuition minus the $50.00 initial deposit.
- Within the first week of classes: 66 ⅔%
- Within the second week: 50%
- Within the third week: 33 ⅓%
- After the third week: NONE

Returning Students Day
- Prior to the beginning of classes: 100%
- Within the first week of classes: 66 ⅔%
- Within the second week: 50%
- Within the third week: 33 ⅓%
- After the third week: NONE

Graduate and Continuing Education Students
- Prior to the first class meeting: 100%
- Prior to the second class meeting: 90%
- Prior to the third class meeting: 50%
- After third class meeting: NONE

BOARD

Refunds for board are made according to the same schedule as tuition refunds. This schedule applies to students who reside in the apartments as well as to those students who transfer to the apartments or move off campus. There will be no board refunds and/or adjustments after the third week of classes.

ROOM

All Residential Life and College Apartment residents have occupancy agreements. See the Housing Office for information on withdrawal prior to occupancy, withdrawal during term of agreement, and individual exceptions. Refunds normally are tied to both written notification of intention to withdraw and to the College's ability to fill the vacancy created by the resident's withdrawal.

OTHER FEES

There will be no refunds on the following after classes begin: Student Activity Fee, Parking Permit Fee, Student Teaching Fee, Late Registration Fee, Late Payment Fee, Capital Planning Fee, Bad Check Fee, Student Insurance Fee and MASS PIRG.

WITHDRAWAL REFUND FOR FIRST-TIME ATTENDEES/FIRST TIME ON FINANCIAL AID

In accordance with the Financial Aid Reauthorization Act enacted in 1992, the following refund policy has been established for recipients of all Title IV Programs, including Federal Pell Grant, Federal Supplemental Educational Opportunity Grant, Federal Perkins Loan, and Federal Direct Loans, including Plus Loans received on the student's behalf.

To be eligible for a refund under this policy, a student must be a first-time student on financial aid and must formally withdraw from the College. (See Procedure for Withdrawing from Westfield State College in the College Bulletin under General Information.) The amount of refund will be determined on the basis of the official date of written withdrawal. Forms may be obtained in the Office of the Registrar, for Day Division students or the Office of Graduate and Continuing Education, for Continuing Education students.

Due to the extremely heavy clerical demands during registration and the beginning of a semester, refunds should not be expected until at least four weeks after the start of a semester.

"A student attending the institution for the first time" is defined as a first-time Freshman, first-time Transfer, or first-time Graduate who is in his/her first semester of attendance at Westfield State College.

For refund purposes, "Charges assessed the student" will include tuition, all mandatory fees, room and board, and will not include waivable fees (i.e., tuition/room deposits and application fees.)

Refunds will be credited in the following order mandated by the Act: 1. Federal Direct Loans (Unsubsidized and Subsidized Stafford, PLUS); 2. Perkins Loans; 3. PELL Grant; 4. SEOG; 5. Student.

The Westfield State College Refund Policy is subject to changes in the Higher Education Amendments of 1992 as amended by the U. S. Department of Education by the Negotiated Rulemaking Process.

If a first-time student withdraws from the College, refunds of tuition, room, board, and fees (except tuition deposits and housing deposits and application fees) are made according to the following schedule:

1. Official withdrawal date prior to the first day of school opening 100%
2. Official withdrawal date before the beginning of the second week of classes 90%
3. Official withdrawal date between the second and fourth week of classes 80%
4. Official withdrawal date between the fourth and fifth week of classes 70%
5. Official withdrawal date between the fifth and seventh week of classes 60%
6. Official withdrawal date between the seventh and eighth week of classes 50%
7. Official withdrawal date between the eighth and tenth week of classes 40%
8. Official withdrawal date after the tenth week of classes 0%

This policy is effective July 1, 1993, and will be reviewed annually by the Treasurer and Director of Budgets.

PAYMENT OF BILLS DAY DIVISION

The College expects that all bills will be satisfied by the due date as stated on the bill. Generally, bills can be satisfied in one of the following three ways:

1. A student may pay his/her bill in full;
2. A student has financial aid, scholarships, waivers, etc., which, with payment, will cover the bill;
3. A student or parents may have a contract with the College payment plan and such contract will satisfy the bill.

Bills not satisfied by the due date will be assessed a late payment fee of $25.00.

Failure to meet these requirements will result in administrative withdrawal from the College. Students will lose all rights and privileges as students at Westfield State College and will not be allowed reinstatement until the bill is satisfied in full and upon payment of a $50.00 reinstatement fee.

PAYMENT OF BILLS CONTINUING EDUCATION

Continuing Education students are expected to pay their bills at the time that they register, unless an alternate payment plan has been agreed on at that time. Pre-registration bills must be paid by the semester billing date published in the term catalogue.

POLICY REGARDING OUTSTANDING DEBTS

It is the policy of the Board of Trustees that students who are listed by the Business Office or the Division of Graduate and Continuing Education of Westfield State College as having unpaid debts for tuition, room, board, medical, or other college related charges where said debts have not been discharged by operation of law or where deferred payment of said debts has not been agreed to by said college, the student will not (1) be issued a diploma to which said student might otherwise be entitled; (2) be permitted to register for any program at any state college for which said student might otherwise be eligible; (3) be furnished a certified copy of any state college transcript (unless said transcript is needed to obtain benefits in the United States Armed Forces) although said student will be entitled, upon written request, to inspect and review uncertified copies of transcripts; or (4) receive grade reports.

STUDENT AFFAIRS

The Division of Student Affairs is comprised of various departments including Residential Life, Campus Center, Health Services, Judicial Affairs, Career Services, Public Safety, Counseling Services and Athletics. Some of the programs include New Student Orientation, Veterans Affairs, student I. D. cards and records, and general student services.

The Division seeks to strengthen the educational process found outside the classroom setting and assist students in developing individual potential and leadership skills.

The Division of Student Affairs publishes policies and regulations each fall. Students are advised to obtain a copy of these policies and to review the contents. The Vice President for Student Affairs is located in the Ely Campus Center, Room 236.

Westfield State College has a commitment to making our residential life program an important component of a student's overall educational experience. A variety of modern facilities and living arrangements are available, with each hall staffed by a full-time professional residence director, student resident advisors, housekeeping and security personnel, and governed by an elected advisory Residential Life Council. The Department of Residential Life also maintains a list of off-campus housing and assists students in identifying roommates. However, the College does not evaluate or intervene in these off-campus arrangements.

A dining plan is mandatory for all resident students except those in the College apartments. Three plans are available: a 19-meal plan, a 14-meal plan, and a 10-meal plan. Students may elect any of these plans. Commuting students may also purchase a dining plan if they wish. Declining meal, or debit point plans, are also available as added options. Two on-campus snack bars also offer dining services on an a la carte basis.

Health services staffed by registered nurses are available, as well as infirmary care for students needing overnight treatment. The college physician is on campus on a regular part-time basis, providing treatment for minor ailments and referral on other problems.

Many of the student services described above are available only to full time Day Division students. A complete list of services available to students in the Continuing Education Division may be found in the Student Handbook of the Division of Graduate and Continuing Education, available in the Continuing Education Office, Parenzo 108.

CAMPUS CENTER AND STUDENT ACTIVITIES

The Ely building houses the Campus Center and other entitites including the College library and bookstore. The Campus Center is the community center of the College providing students, faculty/staff, alumni, and guests with services, conveniences, and amenities to promote campus life outside of the classroom. The Campus Center is also a Student Affairs department providing educationally purposeful programs and support services for students. Through collaborative efforts of department staff, advisory boards, and committees the Campus Center publicizes a wide range of social, cultural, and recreational activities on campus and provides many opportunities for student participation and leadership.

For further information, call the Campus Center at 413/572-5648.

WELLNESS CENTER

The Campus Center administers the Wellness Center housed in the Ely building lower level. All Westfield State College faculty/staff and students qualify for membership in the Wellness Center. Fulltime students enjoy membership at no additional charge. Parttime students and faculty/staff may become members for $35 per academic term (summer membership is $30 and is available to a spouse or partner at the same rate). The Wellness Center has state-of-the-art cardiovascular equipment, a large selection of free weights and variable-resistance/strength training machines, and an extensive aerobic exercise program. A schedule of weekly aerobic classes is available at the Wellness Center Service Desk. Classes are filled on a first-come, first-served basis and are co-ed (no added charge for aerobic classes). The Wellness Center offers individualized exercise program assistance including fitness assessments and instruction on the use and safety of all Wellness Center equipment. Educational resources relating to nutrition, stress management, smoking cessation, substance abuse prevention and fitness are provided to all Wellness Center members.

The Campus Center and Wellness Center employ qualified students who meet all certification requirements. Wellness Center staff must be certified by the American Red Cross in Community CPR. In addition, Aerobic Dance Instructors are AFAA or NDEITA certified and Lifeguards are certified in American Red Cross (or YMCA) Lifeguard Training.

For additional information call the Wellness Center at 413/568-3311, Ext. 4016.

CAREER SERVICES

The Office of Career Services is dedicated to helping students and alumni of Westfield State College develop and implement career and graduate school plans. Career planning is a process of individual development which must be nourished during the entire period of a student's involvement with the college. To assist students with this planning process, the Office of Career Services sponsors a variety of programs and services including career counseling, on-campus employment recruitment, career fairs, workshops on resume preparation, developing interview skills and job search techniques, alumni networking, credential file service, a computerized job matching service and much more. SIGI Plus, a computerized career guidance program, is also available to assist students in researching information about occupations, values, interests, skills, and educational programs. A Career Resource Library provides a wealth of information on preparing for graduate study and preparing for various careers.

For additional information please contact the Office of Career Services, located in the Lammers Hall Annex, extension 5206.

COUNSELING SERVICES

The Counseling Services Center helps students make the most of their education through psychological skill development and personal growth. Counseling Services is concerned with the education of the "whole student," with the integration of learning and living. Besides working to reduce or eliminate problems that interfere with learning, counselors attempt to use the problems students bring to them to enhance their problem-solving skills and their personal resources. The Center offers short-term counseling on an individual basis as well as group counseling. A student's relationship with Counseling Services is confidential unless the student gives written permission for it to be shared, or in certain life or death emergencies, or by court order.

Another important function of psychological counseling is referral. If someone else on campus or in the community can help a student with his/her concerns, counselors will help the student connect with that person or office.

For additional information, please contact the Counseling Services office located in the Lammers Hall Annex, extension 5790.

VETERANS AFFAIRS

The Veterans' Affairs Office provides an explanation of all benefits, a follow-up on claims with the Veterans Administration, a counseling service for all student veterans, and makes available several work-study grants for eligible veterans.

The Veterans' Affairs Office at Westfield State College, located in the Ely Campus Center Room 146, extension 5446, is part of the Division of Student Affairs.

Please contact either Susan Basque or Terri Williams for further information.

ATHLETICS

Westfield State College has an extensive, quality program of intercollegiate and intramural athletics for full-time Day Division students. Men's and women's teams compete under the umbrella of the National Collegiate Athletic Association (NCAA). In addition to fielding teams in Division III of the NCAA, Westfield State College holds membership in the Eastern College Athletic Conference (ECAC), the Massachusetts State College Athletic Conference (MASCAC), and the New England Collegiate Athletic Conference (NECAC). For additional information, please contact the Athletic Department in the Ely Building.

PUBLIC SAFETY

The Department of Public Safety is responsible for the enforcement of the Massachusetts General Laws and for protecting life and property on campus. The Department is charged with the responsibility of protecting the right of all members of the academic community to learn, to teach and to conduct the normal and necessary business of the institution.

Among the services provided by the Department of Public Safety are: the investigation of crimes and motor vehicle accidents on campus, the enforcement of College parking regulations, the operation of shuttle service between the main campus and the south campus parking lot, the operation of a lost and found. In addition, Public Safety provides medical transport to the infirmary or Noble Hospital for students who are injured or ill. Public Safety officers are also available to present programs to educate students on such issues as date rape, crime prevention, suicide prevention, alcohol and drug awareness.

Public Safety trains and supervises the Institutional Security Officer staff assigned to foot patrol of the campus, as well as those Institutional Security Officers assigned to the security of the residential buildings.

Public Safety employs and directs a student security force made up of full-time students from the College to assist the regular campus police force. Student security officers are used as observers, shuttle drivers, escorts, dispatchers, concert/library and computer security, and to assist the campus police.

The Public Safety Office, located in Parenzo Basement, Room 001, is open daily from 9:00 AM to 4:00 PM and offers twenty-four hour police coverage and response. Additional information is available at extension 5262. For police emergencies call the Westfield Police emergency number at 9-911; they will route the call to campus security.

ACADEMIC AFFAIRS

ACADEMIC ADVISING

Academic advising is provided to all students to assist them in understanding and interpreting college academic policies and requirements, major requirements, course selection and registration, and related academic opportunities and objectives. **THIS DOES NOT REMOVE THE OBLIGATION FROM STUDENTS, HOWEVER, TO BE KNOWLEDGEABLE AND RESPONSIBLE ABOUT THE ACADEMIC REQUIREMENTS THEY HAVE TO MEET.**

Day Division students are assigned faculty advisors by the chairpersons of their major departments. Academic advising is available to all UNDECLARED students in the Academic Achievement Center located in Parenzo Hall, room 102. The Assistant Dean, Academic Affairs /Director, Academic Advising assigns advisors to undeclared students. Students work with this advisor until they declare a major.

Continuing Education students are assigned advisors upon matriculation. Both matriculated and non-matriculated students can make appointments with advisors by calling (413) 572-5448 or 572-5224.

Students generally meet with advisors at least once each semester prior to the registration period to discuss course selection and academic progress. Students may also find it helpful to discuss career and graduate school aspirations, other long-term issues, and study strategies and skill preparation with their advisors.

Students who wish to change their advisors should see the chairperson of their major department. Students who have not yet declared their major should see the Director of Academic Advising in the Academic Achievement Center.

In addition, the staff of the Registrar's Office, Academic Achievement Center, Graduate and Continuing Education Office, and the Dean of Undergraduate Studies are also available to assist students.

ACADEMIC ACHIEVEMENT CENTER

The Academic Achievement Center in Parenzo 102 is designed to provide the following services to Day Division students:

1) Assist students with the exploration of academic majors.
2) Assist students who have not yet declared a major with academic advising: i.e. course selection, the registration process, academic policies, and other academic concerns.
3) Provide students with academic support services including tutorial assistance.
4) Assist students in exploring strategies for academic success.
5) Review with students their academic progress and course needs.
6) Assist students with decisions regarding taking courses at other institutions during the summer, or while on a leave of absence or exchange.

Similar support services are available to Continuing Education Students through the Office of Graduate and Continuing Education.

ACADEMIC SUPPORT/TUTORING

Academic assistance and tutorial support are provided through the Tutoring Center. The Center is operated by professional staff and supplemented with approximately 75 peer tutors.

Academic assistance is offered in writing, study skills and mathematics. Tutoring is also available in all areas of the college curriculum. Workshops are held in word processing. The Center is open from 8:30 AM to 10:00 PM Monday to Thursday and from 8:30 AM to 5:00 PM on Fridays.

The Center also coordinates the provision of support services to students who are physically challenged or learning disabled.

For further information, the Tutoring Center is located in Wilson 234, extension 5783 or 5787.

OFFICE OF MINORITY AFFAIRS

The Office of Minority Affairs (OMA) is responsible for the planning, development and implementation of programs to improve the possibilities of success for minority students at the College. Of equal importance is the emphasis placed on finding creative ways to foster healthy, productive relationships between the ethnically diverse members of the campus community. As a liaison for handling cultural issues for students, faculty, and staff, the OMA is available as a resource to campus groups and individuals who wish to organize events and activities that promote cultural pluralism on campus. The OMA also administers the Urban Education program.

The Office of Minority Affairs is located in Wilson Hall, Room 235, extension 5391.

URBAN EDUCATION PROGRAM

The recruitment and retention of first-generation college students comprises the primary focus of the Urban Education (UE) program. While serving the College as the primary recruiter of high school students from ethnic minority backgrounds, the UE program is designed to provide support to any student considered to be educationally at risk. First-year students who meet program guidelines are accepted into the College on a preliminary basis and must complete a six-week summer "bridge" program to gain full matriculation. Comprehensive efforts to retain students to graduation include aggressive academic and personal counseling, course work to improve research methods, time management, note taking and critical thinking skills. Workshops on computer applications, expository writing and career planning are offered.

STUDENT SUPPORT SERVICES

The mission or primary objective of the Student Support Services (SSS) program is to provide appropriate services to students in order to retain them to graduation. The program provides a network of workshops that support students in the areas of Math, Science, English as a Second Language, Critical Thinking in Reading, Developmental Reading and Study Skills, and Basic Writing. Counseling is also provided to support students acadmically, personally, and in making graduate school and career choices. Program staff are energetic and eager to help students succeed.

The workshops, which are designed to address most core courses at the College, are held in the late afternoon, after the completion of most day courses at the College. Program instructors, who are experienced professionals in their subject area, conduct the sessions with the help of peer tutors. Peer tutors are upper-class students who have demonstrated excellence in a particular subject.

Program participants are encouraged to work in cooperative groups to share ideas and clarify difficult course concepts. Students who have specific questions or problems can meet with an instructor "one-on-one" for more individualized help. Consistent participatioin in the SSS program can be an integral part of a student's success at the College. Students can contact the program counselor to see if they qualify.

For additional information call extension 5462.

LIBRARY FACILITIES

The Governor Joseph B. Ely Library's collection includes 165,057 volumes, 1,067 currently received journals, 498,594 microfiche, 8,970 microfilm reels, 667 videotapes, abstracts, indexes, CD-ROM databases and online access databases. An online catalogue is available. Reference, interlibrary loan and information instruction services are available. Access is available to other local area college and university libraries.

Hours:

Monday-Thursday	8:00 AM - 12:00 AM
Friday	8:00 AM - 5:00 PM
Saturday	12:00 PM - 6:00 PM
Sunday	1:00 PM - 12:00 AM

Vacation, holiday and special hours posted.

ADDITIONAL EDUCATIONAL PROGRAMS

STUDY ABROAD PROGRAM

The Study Abroad program offers diverse opportunities for most liberal arts majors to take classes and for students in the areas of Education, Communication and Management to complete practicum placements.

The study abroad opportunities are available at pre-approved locations in England, Ireland, Scotland, Spain and in the Canadian Provinces of Quebec and Nova Scotia. Under special circumstances other locations may be made available.

Education Practica are available in England, Ireland, and Northern Ireland. Special arrangements for practica at other selected American schools abroad may be possible.

To be eligible to participate. students must have a minimum grade point average of 2.75 as well as the approval of their major department chair and the director of the program. General information meetings are held at the beginning of each semester. The application deadline for fall term candidates is April 1 and for spring term candidates, November 1.

For further information, contact the director or advisors of the program, Professors McMahon (extension 5384), Psychas (5340), or Shannon (5345).

NATIONAL STUDENT EXCHANGE (NSE)

National Student Exchange (NSE) is a network of 130 colleges and universities in the United States which generally allow students to attend other NSE schools at either the home or host school's in-state tuition rate. NSE gives students an opportunity to learn more about themselves and explore a particular academic interest. The student can live in a different geographic and academic setting, while experiencing new cultures. In addition, the student forms new friendships all over the United States.

Exchange Requirements

An NSE applicant must: 1) be a full-time student at the time of application; 2) complete full-time study in the semester prior to exchange; 3) have a 2.50 GPA (4.0 Scale) at the time of application and at the end of the semester prior to exchange; 4) be a Sophomore, Junior, or Senior (students may not be on exchange during their freshman year). In addition, an exchange applicant must commit to various terms and conditions (e.g., length of exchange, cost of exchange, academic advising agreement, and acceptance of the NSE host school's policies).

Length of Exchange Term

A student may go on exchange for one term or one year, whichever the student prefers.

Cost

1) National Student Exchange Application Fee, $55 (nonrefundable).
2) Host school in-state tuition/fees or Westfield State College's in-state tuition/fees.
3) Host school room and board (or off-campus accommodations).
4) Transportation and personal expenses.

Financial Aid Conditions

Exchange students who pay the Host School's In-State Tuition and Fees, apply for student financial aid from the Host School. Exchange students who prefer to pay Westfield State College Tuition and Fees, apply for student financial aid through Westfield State. In other words, the school that receives the student's tuition payment must administer the student's financial aid.

Student Grades and Credits

Prior to exchange, a student and his or her academic advisor complete an advising agreement. Full credit is given for approved work satisfactorily completed on exchange. NSE students are WSC students studying on other campuses--they are not considered transfer students.

NSE Student Application Timetable

Sept-Dec:	Obtain NSE Application and Information Packet
Dec-Jan:	Return completed and signed NSE Application
Mid-Feb:	Pay NSE Application Fee
Late-Feb:	Schedule an NSE Applicant interview
Late-March:	Receive NSE Student Placement Offer
April 1:	Accept NSE Student Placement Offer

COOPERATING COLLEGES OF GREATER SPRINGFIELD (CCGS)

The Cooperating Colleges of Greater Springfield (CCGS) consortium offers students the opportunity to take a course at one of the participating area colleges at no additional cost. Colleges participating in this program are: Springfield College, American International College, Western New England College, Bay Path College, College of Our Lady of the Elms, Springfield Technical Community College, and Holyoke Community College. This program is open to all Day Division students and matriculated Continuing Education students enrolled in at least 6 semester hours

at Westfield. Students may take no more than one course each semester under this program and must register for the CCGS course prior to taking it.

All students are strongly urged to consult their academic advisor concerning credit taken through this program to be sure the coursework fits with their degree program. For additional details, or to pick up the necessary registration form, Day students may see the Registrar; Continuing Education students may see the Coordinator of Academic Advising.

COLLEGE ACADEMIC PROGRAM SHARING (CAPS)

The College Academic Program Sharing program is designed to offer students the opportunity for an educational experience at another state college in Massachusetts. It is available to full-time day division students in good academic standing and does not necessitate transferring. Students may participate in this program for one or two semesters, completing up to thirty credits. The filing deadline is December 15 for the Spring Semester and May 15 for the Fall Semester. Freshmen are ineligible. The state colleges participating in this program are: Bridgewater State College, Fitchburg State College, Framingham State College, North Adams State College, Salem State College, Westfield State College, Worcester State College, Massachusetts College of Art, and Massachusetts Maritime Academy.

All students are strongly urged to consult their academic advisor concerning required courses to be taken through this program, to be sure the coursework fits with their degree program. The Chair of the student's major department must approve course equivialencies for courses in the major. For additional details and a CAPS application form, please see the Registrar.

RESERVE OFFICERS TRAINING CORPS

ARMY R.O.T.C.

Westfield State College, in cooperation with Western New England College and the University of Massachusetts, offers an Army Reserve Officers Training Corps program (ROTC) leading to the rank of Second Lieutenant in the active Army, Army Reserve, or the Massachusetts National Guard. The program is directed by the United States Army and is available to all Day students. Introductory courses are offered on the Westfield campus, but the majority of the courses required for the program are taken off-campus, primarily at Western New England College, through the Cooperating Colleges of Greater Springfield. For additional information, contact the Army R.O.T.C. liaison person at Western New England College, (413) 782-1345 or 1332.

AIR FORCE R.O.T.C.

The Air Force Reserve Officers Training Corps (AFROTC) does not have its own program at Westfield State College; however, students can take the program while attending Westfield State College through the Cooperating Colleges of Greater Springfield (CCGS) agreement. The agreement allows students to take AFROTC courses at Western New England College in Springfield. Freshmen and sophomore courses can be taken without any commitment to the Air Force, and a 2-year program is available for any interested sophomore who decides to pursue the program during the spring of that year. Upon successful completion of the program (and receipt of a bachelor's degree), graduating students will receive commissions as Second Lieutenants in the U.S. Air Force. Two to three and a half year scholarships paying full tuition, lab, incidental fees, and $100.00 per month during school are available to students in all academic majors. Books are provided by the AFROTC. For additional information, contact the Professor of Aerospace Studies, at the University of Massachusetts, (413) 545-2437 or 2451.

THE DIVISION OF GRADUATE AND CONTINUING EDUCATION

The Division of Graduate and Continuing Education offers programs in four areas: graduate studies, undergraduate studies (part-time), professional development for educators and credit-free programs. Graduate programs include the Master of Arts in English and in Psychology, the Master of Science in Criminal Justice, the Master of Education in 8 different concentrations and the Clinical Masters in 12 concentrations. The Certificate of Advanced Graduate Study is offered in educational administration concentrations. See the Graduate Catalog published by the Division of Graduate and Continuing Education for additional information about these graduate programs. In addition, the Division offers a post-baccalaureate teacher certification program which enables students already holding a bachelor's degree to pursue certification. The Division offers a Second Bachelor's Program for those interested in a new field of study, building on their previous baccalaureate work.

Undergraduate programs are offered in every major available to Day Division students. Generally, necessary courses are offered in the evening, although some courses may have to be taken in the Day Division. Students who are pursuing their degrees part-time (less than 12 hours per semester) generally matriculate through the Division of Graduate and Continuing Education. Financial aid is available for students in degree programs pursuing part-time study.

The credit-free program provides professional development programs such as the Alcoholism/Chemical Dependency Treatment Services Program, the Administrative Assistant and Paralegal Certificate programs, as well as a variety of home and business computer courses, personal enrichment courses and various seminars.

Credit and credit-free courses in the evening or on weekends are available to Day Division students. Because by law the Division must be financially self-supporting, students pay the established tuition and registration fees for the Division's courses. However, a day student who must take a specific course for credit at night, because the course is required for graduation and is not available during the day, may petition the Dean of Undergraduate Studies for a waiver of the tuition for the course. Generally only graduating seniors are considered for waivers.

For more information, contact the Division at (413)572-5224 or stop by the office, Parenzo 108, 9:00 AM - 7:00 PM Monday through Thursday, 9:00 AM - 4:00 PM Friday.

COLLEGE LEVEL EXAMINATION PROGRAM (CLEP) ADVANCED PLACEMENT (AP)

Academic credit or waiver of requirements may be granted based upon performance on the College Level Examination Program (CLEP) and Advanced Placement (AP) tests. Generally, students must attain a CLEP score at least equivalent to the 75th percentile of national norms established by the College Board, or an AP examination score of at least 3; however, specific standards and whether credit or waiver is granted are determined by each academic department. Therefore, students should consult the appropriate academic department or the CLEP administrator in the Continuing Education Office, Parenzo 108, concerning the relevant standards and policies. CLEP Tests are offered in areas fulfilling core requirements and in other subject areas as well. Students with questions regarding AP scores should consult the Director of Admission.

Credit or waiver of requirements will not be granted unless the examination is taken prior to enrollment in a course which is equivalent to the examination. A maximum of 60 credits may be earned through CLEP examination.

CREDIT FOR MILITARY EXPERIENCE

Westfield State College offers students with military experience the opportunity to receive graduation credit for this experience. Official documentation of military experience must be submitted to the Registrar's Office for evaluation.

Students may receive 3 credit hours in movement science electives for their Basic Training, if they have served a minimum of 9 consecutive months of active duty in the armed forces. Students must submit a Form DD214 documenting this period of service. Students in the National Guard may apply for this credit only if the period of active duty began January 1, 1995 or later.

To apply for credit for other types of military experience, students must submit official copies of either a Form DD295 or an AARTS transcript. These are the only military documents that Westifeld accepts as the equivalent of an official transcript. The Form DD295 must be completed and signed by the student's commanding officer in accordance with the course codes and specifications published in the current issue of the American Council on Education's *Handbook to the Guide to the Evaluation of Educational Experiences in the Armed Services*.

Credit for military experience is treated as community college-level course work and is subject to all College policies regarding other transfer course work.

SCHOLASTIC REQUIREMENTS

COURSE LOAD DAY DIVISION STUDENTS

Fifteen (15) credit hours per semester is the normal academic course load of students at Westfield State College.

Students may enroll for up to eighteen (18) credit hours without special permission; however, students wishing to enroll for more than eighteen credit hours must secure the permission of their advisor, Department Chair, and the Undergraduate Dean. Credit overload permission forms are available at the Registrar's Office.

As a guideline from the Academic Policies Committee, the maximum course load a student may carry in a given semester is 21 hours including both day and evening courses and programs. A student should have a minimum quality point average (QPA) of 2.50 to carry 19-20 credit hours and a minimum QPA of 3.00 in order to carry 21 credit hours.

Twelve (12) hours a semester is the minimum load for full-time day students. Graduating seniors carrying fewer than 12 credits are considered full-time during their last semester provided that they are carrying the number of credits needed to complete all their degree requirements. However, students carrying fewer than 12 credits are subject to adjustments in their financial aid awards. Graduating seniors should consult the Financial Aid Office prior to deciding to reduce their course load to fewer than 12 credits.

Students carrying fewer than 12 hours lose their full-time status. Eligibility for residence hall space and financial aid may be affected. Students carrying fewer than 12 credits cannot represent the College in co-curricular activities. A student's eligibility for medical insurance coverage under a parent's policy may also be affected.

COURSE LOAD CONTINUING EDUCATION STUDENTS

Undergraduate Continuing Education students may take up to three courses per term. Students with full-time employment should ordinarily limit themselves to two courses. Students with PELL grants must take a minimum of two courses in order to receive their award. Students needing assistance in order to determine an appropriate course load should consult with an academic advisor.

Undergraduate and Postbaccalaureate students need signed permission to take 12 or more credits per term. Permission may be obtained from the Director of Advising and Academic Programs (or designee), who will make this decision after reviewing the student's academic progress.

CLASS STANDING

Class standing is calculated automatically whenever there is a change in a student's number of completed credits. Therefore, a student's class standing may change in the middle of a semester or in the middle of an academic year.

Day Division registration and housing priority are based upon a student's anticipated class standing at the end of the current semester. This is calculated by adding the number of credits in which the student is currently enrolled to the number of earned hours the student has already completed. For some students this calculation may advance them to the next class level; for some students it may not.

Students who expect to graduate in four years should plan to complete 30 credits each academic year; students who fall more than 6 credits behind are moved to the next lower class. The following table lists the class status of students as determined by the number of credits they have completed.

	Lower	Upper
Freshman	0- 8	9-23
Sophomore	24-38	39-53
Junior	54-68	69-83
Senior	84-98	99-

GRADES AND CREDITS

INCOMPLETE GRADES

The grade of "I" (incomplete) is only to be assigned when 80% of the course work has been completed for a specific course. "I" grades become "F" grades unless the course work is satisfactorily completed during the first four weeks of the next semester. Under certain circumstances the deadline to complete "I" grades may be extended or reduced. Special permission forms to extend the deadline to complete the course work for "I" grades can be obtained at the Registrar's Office for Day Division students, and at the Continuing Education Office for students in that division. The college's Committee on Academic Standing may require students to complete the course work on "I" grades early to determine if they are eligible to return to Westfield State College.

FAILING GRADES

Grades of "F" can never be removed from a student's academic record, but the courses in which they have been received may be repeated and passed. In the case of electives, other approved courses may be taken and passed either in approved Summer Sessions, or when possible during the regular college year. In these cases, both grades will appear on the transcript and will be used in the calculation of the quality point average.

GRADE APPEALS

If a student wishes to appeal a grade, the appeal must be initiated through the Academic Affairs Office by the end of the fourth week of the semester after the course was taken.

Students should attempt to resolve questions regarding grades on an informal level, between the student and instructor or department chair, if possible, prior to filing a formal appeal. If there is no resolution at this level, the student may appeal the grade to the Dean of Undergraduate or the Dean of Graduate and Continuing Education, as appropriate.

Note: The wording of the above policy has been modified to provide students with additional information about how the policy is applied and/or procedures to follow when applying the policy. The exact wording of the original policy may be found in the Westfield State College Policies and Procedures Manual.

QUALITY POINT SYSTEM

A student's quality point average (QPA) is computed at the end of each semester. The quality point average is calculated for the semester, and a cumulative quality point average is calculated for all courses taken since the student's matriculation at Westfield (cumulative QPA). Courses accepted in transfer prior to matriculation at Westfield are not a part of the cumulative average.

Westfield State College uses a quality point system of:

A.....4.0	B.....3.0	C.....2.0	D.....1.0
A-....3.7	B-....2.7	C-....1.7	F.....0.0
B+...3.3	C+...2.3	D+...1.3	

CALCULATING A QUALITY POINT AVERAGE

1. To determine the number of quality points earned, for each course taken, multiply the numeric value of the grade earned (from the table above) by the number of credits the course carries.
2. For example, a C+ (2.3) in a 3 credit course would earn 6.9 (2.3*3) quality points; an A- (3.7) in a 4 credit course would earn 14.8 (3.7*4) quality points; an F (0.0) in a 3 credit course would earn 0.0 (0.0*3) quality points.
3. Add all the quailty points earned. The grades above (6.9+14.8+0) add up to 21.7 quality points.
4. Divide by the total number of credits carried. Note that "F" grades count as credits carried, although they do not earn quality points. The total credits in the example above is 10 (3+4+3), so the student's QPA is 2.17.
5. Credits for courses taken Pass/Fail are not included in the calculation of a QPA.

COURSE REPEAT POLICY

The course repeat policy was designed to provide students with an opportunity to repeat courses for which they wish to earn an improved grade.

Subject to the following conditions, students may repeat courses regardless of the original grade earned.

Students may repeat any course in which they have received an "F" grade until a passing grade is earned. Credits for the course passed will be tallied in the student's graduation credits.

Students who have originally earned a passing grade in a course may repeat that course once only, and no more than three such courses may be repeated. The semester hours awarded for the repeated course will **not** be tallied in the student's graduation credit totals.

Grades and records of both the original course and the repeated course will remain on the student's transcript and both grades will be factored into the student's cumulative quality point average.

Students must file a completed course repeat form with the Registrar's Office prior to taking any course as a repeat. If either the original or the repeat course is not a Westfield State College course, the student must also obtain, on the course repeat form, the written approval of the chair of the Westfield State College department administering the course to assure its equivalence. No notation of the course repeat will appear on the student's record unless such prior approval has been obtained.

Students who wish to repeat a Westfield State College course at another institution must comply with all Westfield State College policies concerning courses taken at other institutions as well as with the guidelines set forth in this policy.

This policy is effective starting September, 1992 and will only apply to courses repeated after this date.

This policy will be reviewed by the Dean of Undergraduate Studies every two years.

This policy is implemented similarly for Continuing Education students, although they may take courses at other institutions only with prior written approval once they have been accepted into a degree program. The necessary forms are managed through the Office of Graduate and Continuing Education.

Note: The wording of the above policy has been modified to provide students with additional information about how the policy is applied and/or procedures to follow when applying the policy. The exact wording of the original policy may be found in the Westfield State College Policies and Procedures Manual.

COURSES TAKEN AT OTHER INSTITUTIONS AFTER MATRICULATION

After Day Division students have enrolled at Westfield, they must secure written permission to apply core or major courses taken at other schools to their Westfield degree. This permission may be granted by the chairperson of the Westfield department wherein the course to be taken lies. Students should note that such permission is granted under conditions specified prior to registration.

College courses taken without this written permission will be accepted for elective credit only until such permission has been granted.

Upper-level courses may not be taken at a community or junior college. No credit will be awarded for such courses.

Any grade of "D" or better is acceptable for transfer credit. NOTE: a grade of "D-" is unacceptable for transfer credit, but it will be added to a student's record and calculated into a student's QPA.

Students wishing to appeal the denial of permission to take courses or the denial of credit for courses taken should do so in the Office of Academic Affairs.

Continuing Education students may not have courses taken at other institutions count toward their program once they have been accepted into a degree program, unless special permission is granted by the Dean of Graduate and Continuing Education.

Note: The policy stated above does not apply to courses taken prior to a student's initial matriculation at Westfield. See paragraph on Transfer Grade Policy in section on Transfer Admission for additional information regarding transfer grades.

PASS/FAIL POLICY

Note that the Pass/Fail policy is implemented differently for one-credit introductory-level courses and for upper-level (0200 and 0300 level) courses.

FOR ONE (1) CREDIT 0100-LEVEL COURSES

Departments may offer one (1) credit 0100- level courses: 1) Pass/No Record, 2) Pass/Fail, and/or 3) for a letter grade. Within the first three (3) weeks of the semester, students must agree upon a grading option with the faculty member teaching the course.

No course eligible for common core credit may be designated for this option.

For Pass/No Record courses, if a student earns a Pass (PS) grade, the credit earned applies towards graduation credits only. If the student fails the course, the Fail (FL) grade and the course notation proper are removed from the student's academic record.

For Pass/Fail courses, if a student earns a Pass (PS) grade the credit earned applies towards graduation credits only. If the student fails the course, the Fail (FL) grade appears on the student's academic record but is not be used to calculate the student's quality point average.

FOR 0200/0300-LEVEL ELECTIVE COURSES

The intent of this policy is to encourage juniors and seniors to take upper-level elective courses outside of their major or the core without concern for lowering their quality point average.

No course in the major (home) department or any required course outside the major department may be taken on a Pass/Fail basis, [even if the course would not be used to satisfy a major requirement]. Only elective courses above the 0100-level are eligible for the Pass/Fail option.

No course eligible for common core credit may be elected for the option, [even if the course would not be used to satisfy a core requirement].

Only students with junior or senior status are eligible for the option.

No more than two courses above the 0100-level, not to exceed 8 credits, may be taken on a Pass/Fail basis.

Eligible students must apply for Pass/Fail status with the Registrar no later than the midpoint of the course (as established by the Registrar).

Faculty must submit a letter grade for each student in the course, thereby making the faculty member "blind" to which students are opting for Pass/Fail status. The Registrar will convert the student's grade to Pass/Fail on the student's transcript.

Both the Pass "PS" and the Fail "FL" will be noted on the transcript, but neither will affect the student's cumulative quality point average.

Once the Pass/Fail option is selected, the choice is binding.

Credits awarded for courses taken PASS/FAIL are not counted toward the minimum 12 credits necessary for Dean's List eligibility.

This policy is implemented similarly for Continuing Education students. To be eligible, students must have completed a minimum of 54 credits. Pass/Fail permission forms must be filed in the Office of Graduate and Continuing Education, in accordance with deadlines established by that Division.

Note: The wording of the above policy has been modified to provide students with additional information about how the the policy is applied and/or procedures to follow when applying the policy. The exact wording of the policy may be found in the Westfield State College Policies and Procedures Manual.

EXPLANATION OF ACADEMIC RETENTION AND PROBATION POLICY

The explanation that follows is intended to provide students with the information that they need to make an informed response when they are subject to academic action. For a complete statement of Westfield's Academic Retention and Probation Policy, see the Westfield State College Policies and Procedures Manual, policy number 1040.

Students are considered to be in good academic standing if they maintain a cumulative QPA of at least 1.5 while completing 0-23 undergraduate credits, at least 1.75 while completing 24-47 undergraduate credits, and at least 2.0 after attempting at least 48 undergraduate credits. Credits accepted in transfer from other institutions are included in the attempted credits for determining a student's academic standing level.

If a student's QPA at the end of the semester falls below these minimum levels, the student is subject to academic action. A student whose QPA is within 0.5 of the satisfactory QPA for his/her credit level, may be placed on probation. A student whose QPA is more than 0.5 points below the satisfactory QPA may be subject to academic suspension. A student whose QPA is unsatisfactory after a semester on probation may be subject to academic suspension. A student who on academic suspension for the second time may be subject to dismissal from the College for two years.

Students may also be considered for probation or suspension if they received the grade of "F" in three or more courses during a given semester, even if they have maintained the quality point average for their level.

TABLE OF ACADEMIC STANDING LEVELS

Attempted Credits	Satisfactory QPA	Probation QPA	Suspension QPA
0-23	1.5	1.0 -1.499	Under 1.0
24-47	1.75	1.25-1.749	Under 1.25
48+	2.0	1.5 -1.999	Under 1.5

For determining academic standing levels, credits includes all Westfield quality hours plus all transfer credits.

PROBATION REGULATIONS

. Students who are placed on academic probation can register for nly 12 semester hours of credit.

. Students on probation are prohibited from participating in all o-curricular activities, including intercollegiate athletics, ntramural sports, clubs, social organizations, MTG, The Owl, Tekoa, WSKB, In Focus, student government organizations, or any ther campus activity not directly connected to the requirements of specific course. Students who violate this policy are subject to isciplinary action, and organizations which allow a student on robation to participate may jeopardize their funding or ability to unction.

. Students on probation are expected to work with an advisor in he Academic Achievement Center (AAC). The AAC uses an Intrusive Advising" approach with students on academic robation. This includes requests for the student to:

1. Meet for individual advising
2. Meet to review mid-semester progress reports
3. Respond to communication from the AAC throughout the semester

tudents on academic probation are STRONGLY ENCOURAGED meet with the staff of the AAC at least twice a month during the emester.

. Students may not appeal probation status.

SUSPENSION REGULATIONS

. Students on Academic Suspension lose their status as atriculated students at Westfield State College.

. Students on Academic Suspension may not take Day classes at Vestfield. They may take courses through the Division of raduate and Continuing Education, but may not cross-register into ay classes. They may take courses at other institutions and have e grades earned calculated into their Westfield QPA.

. Students may return to Westfield through the Office of the egistrar when they have taken sufficient course work to raise their PA to a satisfactory level.

DISMISSAL REGULATIONS

Students on Academic Dismissal lose their status as matriculated udents at Westfield State College.

Students on Academic Dismissal may not take Day classes at 'estfield. They may take courses through the Division of raduate and Continuing Education, but may not cross-register into ay classes. They may take courses at other institutions and have e grades earned calculated into their Westfield QPA.

Students on Academic Dismissal who repair their QPA may peal to the Committee on Academic Standing for permission to turn prior to the end of the two-year dismissal.

COMMITTEE ON ACADEMIC STANDING DAY DIVISION

This policy is administered by the Committee on Academic Standing, which consists of the following members (or their respective designees):

Registrar (Chairperson)
Vice President for Academic Affairs
Vice President for Student Affairs
Dean of Undergraduate Studies
Director of Minority Affairs
Director of the Academic Achievement Center
Two Faculty Members (appointed by MSCA President)

Committee decisions are based on a simple majority vote of members in attendance.

Any exceptions to the foregoing policy based upon extenuating circumstances may be appealed in writing to the Committee on Academic Standing. Appeals should be filed with the Registrar.

ACADEMIC STANDING: CONTINUING EDUCATION

The same academic standards apply to all undergraduates, in both the Day and Continuing Education divisions. However, because of differences in the pattern toward the completion of degree requirements, the monitoring of academic standards for Continuing Education undergraduates is modified.

Students in Continuing Education whose average (QPA) falls below the minimum level are placed on Academic Probation and must make an appointment with an academic advisor. In consultation with the advisor, students are responsible for developing a strategy to bring their grade averages up to the necessary level. The strategy should include specific direction with regard to course load, course selection, and deadlines for meeting the minimum cumulative average. The plan must be in writing, and a copy will be placed in the student's file for monitoring purposes. Students who do not maintain satisfactory academic progress while on Academic Probation within the prescribed time frame determined by their advisor, are placed on Academic Failure. Students who repeat the cycle of Academic Probation and failure to repair their records in accordance with their academic plan for a second time, are again placed on Academic Failure. Students placed on Academic Failure a second time lose their status as matriculated students and may not be reinstated for two calendar years.

For students in the Division of Graduate and Continuing Education, this policy is administered by a committee consisting of:

Dean of Graduate and Continuing Education
Director of Advising and Academic Programs
One faculty advisor (appointed by Dean)

SATISFACTORY ACADEMIC PROGRESS FOR FINANCIAL AID

In order to maintain financial aid eligibility, students must complete a mininum of 24 credits each academic year, 12 credits if enrolled for only one semester during the academic year. For a complete statement of the Satisfactory Academic Progress policy, see section on Financial Aid Policies and Criteria.

ACADEMIC HONORS

THE HONORS PROGRAM

The honors program at Westfield State College offers a stimulating educational experience for academically motivated students. Honors courses include general educations (CORE) courses, selected departmental honors programs, and honors electives.

The Honors Program features seminars with interdisciplinary curricula, thought-provoking discussion, and independent projects. They are stimulating learning experiences that provide opportunities for students to refine writing, speaking, and research skills in preparation for graduate study. The classes offer students an opportunity to work closely with some of the most creative faculty on campus. Guest lecturers are a common feature of honors courses.

The Honors experience extends beyond the classroom to include special events such as receptions with guest lecturers, field trips to cultural events, and other informal gatherings to provide students with opportunities to socialize and learn. Students are invited to help organize activities that promote cultural and academic development.

All honors courses are noted on the student's official transcript, and students who complete the Honors Program requirements will receive special acknowledgement upon graduation.

Incoming Freshmen who are in the top 25% of their graduating class and who have earned combined SAT scores of 1100 will be considered for participation in this program. Undergraduates who have completed at least 30 credits with a QPA of 3.0 are also eligible to take honors courses. Matriculated students and students with learning disabilities may self-nominate and present alternative admission criteria. All applications are screened by the Honors Committee.

First year students considered for the Honors Program may also be considered for Presidential Merit Scholarships, if they are Massachusetts State residents. The College offers five scholarships for full tuition and fees, and another thirteen scholarships for tuition only. These scholarships are renewable and may be held for a maximum of four years. To sustain eligibility for these scholarships, recipients must maintain at least a 3.25 cumulative quality point average, make satisfactory progress toward completing their degree program in four years, and have a record of positive citizenship and contribution to the College community.

For additional information about the Honors Program, contact Dr. Martin Henley, Chair of the Honors Program, at 572-5320. For additional information about the Presidential Merit Scholarships, contact the Office of Admission and Financial Aid at 572-5407.

DEAN'S LIST DAY DIVISION

In order to be cited by the Registrar for academic honors known as the Dean's List, a student must have:

1. An average of "B+" (3.3) or above during the semester.
2. No grade below "C" (2.0).
3. A program of at least 12 graded semester hours.
4. No grade of Incomplete.

GRADUATION HONORS

Cum Laude	3.30 to 3.59
Magna Cum Laude	3.60 to 3.79
Summa Cum Laude	3.80 or better

Students must have completed a minimum of 60 credit hours at Westfield State College to be eligible for graduation honors.

For purposes of determining honors eligibility, a cumulative quality point average is calculated on all courses accepted in transfer, as well as on all Westfield State College courses.

WITHDRAWAL POLICY AND THE NOTATION OF "W"

The notation of "W" is an administrative action, since it is a record of action taken by the student or administration and is not a reflection of the student's performance in the course. Withdrawals will be noted as follows.

1) Day students may withdraw from a course without notation on their academic record during the first week of that course. Continuing Education students may withdraw from a course without notation on their academic record before the first class. The calendar dates for this process will be published in the course offerings book. All day student withdrawals must be made through the Registrar's Office; Continuing Education student withdrawals must be made through the Continuing Education Office.

2) Students may withdraw during the second through eighth week of a course (second through fourth week for eight-week courses) by completing a WITHDRAWAL ONLY FORM. The notation of "W" will be placed on the student's record for the course(s) dropped during this period. The form requires the professor's signature. This procedure is designed to inform the faculty member of the student's intent and action. The calendar dates for this process will be published in the course offering book. WITHDRAWAL ONLY forms must be signed and returned to the Registrar's or Continuing Education Office, depending on the student's division, by the due date.

3) Administrative offices can withdraw students for cause. Reasons for administrative withdrawal may include non-payment of uition and fees, lack of health form information, academic failure or probation, exceeding the permissible number of credits in a ingle semester, and/or disciplinary action. The notation of "W" s made on the student's record for all courses dropped dministratively.

4) Day Division students who enroll for a course and fail to attend he first week of classes may be withdrawn from that course at the liscretion of the professor. Students who are enrolled for eight-veek courses or courses that meet only once a week may be vithdrawn after missing the first class period. Continuing Education students who fail to attend the first two classes may be vithdrawn at the discretion of the professor. Professors are asked o justify such a decision at the time of the recommended vithdrawal. Beginning with the third week of classes (or with the hird class meeting in summer sessions), a professor may not ubmit a "W".

5) Students who can document extenuating circumstances may be llowed to drop a course with a "W" notation on their transcript rior to the final exam. These students must complete a form xplaining the extenuating circumstances and obtain signatures from he Dean of Undergraduate Studies (Day Division) or the Director f Academic Advising (Continuing Education Division) and the rofessor for the course. Extenuating circumstances may include ealth problems or family problems, but may not include poor ttendance and/or poor academic performance.

Continuing Education students who are cross-registered into day lasses must observe the Day Division dates for withdrawal. Refunds of tuition for Continuing Education students, if any, are nade on the basis of the date and time of receipt of withdrawal otification in the Continuing Education Office, and in accordance vith the refund schedule in force during the session within which he refund is requested.

NOTE: Day students are not permitted to withdraw from English Composition I or English Composition II.

PROCEDURE FOR WITHDRAWING FROM COLLEGE DAY DIVISION

tudents leaving the college, either during a semester or between emesters, must complete WITHDRAWAL FORMS which may be btained in the Registrar's Office. Students withdrawing from the ollege will receive a "W" in each course. **Students who leave the ollege during a semester and do not officially withdraw will eceive "F" grades in all courses.**

or students who withdraw completely from the college prior to the eginning of final exams, the Registrar's Office circulates a form r faculty to indicate whether the student was passing or failing eir course at the time of the withdrawal. Students who were ssing a majority of their courses may return to the college for the xt academic semester. Students who were failing a majority of eir courses are not permitted to return for the next semester.

LEAVE OF ABSENCE AND READMISSION CONTINUING EDUCATION DIVISION

Students withdrawing from the College in good academic standing may be readmitted through the Continuing Education Office, provided that the absence has been no longer than five years. Students absent longer than five years must reapply.

POLICY ON STUDENTS CALLED TO ACTIVE MILITARY DUTY

1) Students who are unable to complete a semester because they are called to active United States military duty shall, upon verification, be granted the option of a refund or credit of tuition and campus fees. With respect to any health insurance fee, the refund policy is subject to the concurrence of the carrier.

2) Any students who have received any form of financial aid including a full or partial scholarship or student loan or who expect to receive such should contact the financial aid office at the College to make appropriate arrangements.

3) Students shall receive non-punitive withdrawals in all courses from which they are required to withdraw.

4) Students residing in residence halls shall receive refunds on a pro rata basis for the remainder of the semester.

5) Verification of the call to service must be provided by furnishing the Registrar with a copy of the Order to Active Duty within one week of receipt of the order.

6) The College's President may waive or suspend any institutional policy or regulation that negatively impacts students in their withdrawal or readmission to the institution due to a call to active duty.

7) Any student required to withdraw due to being called to active duty shall be given priority in enrollment in the program of his or her choice upon return to the institution for the two semesters immediately following his or her discharge from active duty.

ADDING COURSES

Students may add courses to their schedules during the first week of each semester, or during the dates specified in the Course Offering Booklet for adding second eight-week (Session B) courses. Please review the ADD procedure in the Course Offering Booklet.

DIRECTED/INDEPENDENT STUDY COURSES

Students desiring to enroll in departmental Independent Study projects must register for the course by filing an Independent Study/ Course by Special Arrangement form, available from the Registrar's Office for Day Division students or Continuing Education Office for Continuing Education students. This form requires a description of each project and must be approved by the faculty member, department chairperson, and the Dean of the student's division. FRESHMEN (students with fewer than 24 credits) ARE INELIGIBLE. Students may take only one Independent Study in any given semester and not more than four in their undergraduate work at Westfield State College. Students must register for the Independent Study credits within the first three (3) weeks of the semester.

PRACTICUM, INTERNSHIP, AND CO-OPERATIVE EDUCATION COURSES

Students in good academic standing are eligible for Practicum, Internship, or Co-operative Education placement if they meet the departmental requirements for such placement. No more than 15 academic credits combined of Practicum, Internship, or Co-operative Education may be applied toward graduation.

THE ACADEMIC MAJOR

DECLARING A MAJOR

All students should be accepted into a major by the beginning of their junior year (54 or more credits), or they may be subject to dismissal or denied permission to register for courses. In accepting students the college has an obligation to provide a complete program of study, including a major. However, the college may not be able to guarantee that there will be space available in all majors. Departments may establish specific requirements for entrance and retention in a major. Day students should consult the intended department, the Office of Academic Affairs, or the Academic Achievement Center. Continuing Education students should consult their advisor or the Director of Academic Advising.

CHANGING A MAJOR

Students wishing to change their majors must secure a Change of Major Form from the Registrar's or Continuing Education Office, depending on their Division. This form requires the approval of the Chair of the new department and release from the Chair of the original department.

ADDING A MAJOR

A student may complete the requirements for the major in two academic areas. To add a second major, Day Division students must secure a "Double Major Form" from the Registrar's Office, Continuing Education students from the Continuing Education. Office. This form requires the approval of the Chair of the department the student is adding as the second major.

DECLARING A MINOR

1. Students must have completed at least 6 credits of course work in an academic area in order to become eligible to declare that academic area as a minor.
2. Minor declarations must be approved by the chair of the academic department.
3. Students may not have more than two declared minors in progress. They may drop a minor at any time in order to add a different minor.
4. Minors are awarded only upon certification of completion by the chair of the academic department. Students are responsible for initiating the minor certification process. All uncertified minors will be removed from a student's record prior to graduation.
5. Declared minors may be given registration priorities at the department's discretion.
6. Students who complete minors without formally declaring them may still have them certified (see Completing a Minor, below).

COMPLETING A MINOR

A student may include a minor in an academic area different from the major as part of his/her course of study. A minor generally consists of 18 credit hours. Details about specific minors are included in the departmental listings. During the semester in which the student is taking the final courses required to complete the minor, or after all the minor coursework has been completed, the student must file a Completion of Minor form. This form must be signed by the Chair of the department offering the minor and filed in the Registrar's or Continuing Education Office, as appropriate. A notation of the earned minor is posted on the student's official transcript.

CLASS ATTENDANCE

The student classroom attendance regulations shall be determined individually by each member of the faculty who is responsible and accountable for stating these regulations clearly in writing at the beginning of each course of instruction. Students may be dropped from any class if they fail to attend during the first week.

ABSENCE DUE TO RELIGIOUS BELIEFS

(Massachusetts General Laws Chapter 151C, 2B)

ny student in an educational or vocational training institution, her than a religious or denominational educational or vocational aining institution, who is unable, because of her/his religious eliefs, to attend classes or to participate in any examination study, work requirement on a particular day shall be excused from such xamination or study or work requirement, and shall be provided ith an opportunity to make up such examination, study, or work equirement which he/she may have missed because of such bsence on any particular day; provided, however, that such akeup examination or work shall not create an unreasonable rden upon such school. No fees of any kind shall be charged by e institution for making available to said student such an pportunity. No adverse or prejudicial effects shall result to any udent because of his/her availing him/herself to the provisions of is section.

EXAMINATIONS AND FINALS

ll students are required to take each and every examination signed by their instructors at the designated time and place. A al examination schedule for day classes is posted each semester. hen a student misses a final examination with a valid reason, but s met all the other requirements of the course, the Incomplete ade may be assigned. If a student misses an examination, the structor may offer a "make-up" examination at his/her discretion.

GRADUATION

REQUIREMENTS FOR GRADUATION

udents must meet the following requirements to graduate:

1. A cumulative quality point average of 2.00 or better.
2. A cumulative quality point average of 2.00 or better in their ajor. Major requirements are those in effect at the time the udent matriculates into the major.
3. 120 earned credits. Earned credits require a grade of "D" better.
4. Successful completion of core requirements.
5. Successful completion of the requirements of a major.

udents should check with their advisors before their senior year credits) to ensure that they have planned a course of study that ll meet all of these requirements for graduation.

GRADUATION CEREMONY PARTICIPATION

order to allow potential August graduates to participate in mmencement with their graduating class, Day Division students o will have completed between 114 and 119 semester hours of dit by the end of the spring semester may submit a written ition to the Academic Vice President, requesting that they be wed to participate in the ceremonies.

ntinuing Education students may petition the Dean of Graduate Continuing Education by March 4. Petitions to the Dean should reflect an approved plan to complete the program by the end of the second summer session.

Students requesting such permission should be within two courses of completing all degree requirements and have definite plans to complete the needed courses over the summer. Permission is granted at the discretion of the Academic Vice President (day students) or Dean (Continuing Education students) and is contingent upon the student's completion of all courses in progress. In addition, to participate in the ceremony, the student must have met the requirement of a 2.0 QPA overall and in all courses applied to the major requirements.

As this policy is applied, students are expected to have met all other requirements for graduation listed above.

Note: The wording of the above policy has been modified to provide students with additional information about how the policy is applied and/or procedures to follow when applying the policy. The exact wording of the original policy may be found in the Westfield State College Policies and Procedures Manual.

PROCEDURES FOR GRADUATION DAY DIVISION

All students wishing to graduate at the end of the Spring semester must make a formal application for graduation at the Registrar's Office by March 1. Students wishing to graduate in August must make a formal application by July 1, and those wishing to graduate in January must make a formal application by November 1. Diplomas are not awarded without formal application.

It is the responsibility of each senior student to provide the Registrar with information and official transcripts concerning all course work completed outside the Westfield State College Day Division.

PROCEDURES FOR GRADUATION CONTINUING EDUCATION DIVISION

All students wishing to graduate in the spring semester must make a formal application for graduation by March 1. If a formal application is not completed students may neither participate in graduation ceremonies nor receive their degree at that time. Diplomas are not awarded without formal application.

Students who wish to graduate in August must make a formal application by April 1, and students wishing to graduate in January must make a formal application by November 1.

LISTING MAJOR ON DIPLOMAS

The major of each student may be listed on the diploma. Students have the option of not having their major listed on the diploma. Students who have completed two majors may have both listed on the diploma. Neither concentrations nor minors are listed on the diploma.

CERTIFICATION FOR TEACHING

All graduates who satisfactorily complete the requirements of a college-approved program for teacher certification and complete the appropriate application materials are recommended for certification to the Massachusetts Department of Education.

Under current regulations for teacher certification in Massachusetts, students must complete a liberal arts or sciences major, or an approved interdisciplinary major, together with the education major or certification program. In addition to the undergraduate degree, standard certification by the State Department of Education requires the completion of a planned program of graduate study.

Admission and retention criteria for Teacher Certification Programs are maintained by the Department of Education. Students' academic progress is reviewed regularly by the department. Students are required to achieve a minimum cumulative grade point average of 2.7 in order to be placed in a practicum. Proof of proficiency in written English must also be evidenced by an average of 2.3 (C+) or better in English Composition I and English Composition II. HIST 0150, Intro to the Non-Western World, or EDUC 0380, Mulitcultural Education, is required for all certification programs.

For further information, students are encouraged to contact the chairperson of the college's Department of Education in Parenzo 211, extension 5315.

REQUESTING TRANSCRIPTS

Transcripts are issued by the Registrar's Office for Day Division students, and by the Office of Graduate and Continuing Education for Continuing Education students. Transcripts must be requested in writing by the student. Telephone requests are not accepted. There is a processing fee for each transcript. Official transcripts bearing the college seal are not issued directly to students or graduates.

Students may request unofficial copies of their transcripts for their own use or sealed, official copies to be hand-delivered by the student. Sealed, official transcripts are stamped "Not valid if seal broken" on both the transcript and envelope.

Note: The wording of the above policy has been modified to provide students with additional information about how the policy is applied and/or procedures to follow when applying the policy. The exact wording of the original policy may be found in the Westfield State College Policies and Procedures Manual.

ACADEMIC CONDUCT POLICIES

Students should also review related information found in the Student Handbook which is published by the Division of Student Affairs.

ACADEMIC FREEDOM AND RESPONSIBILITY

The Board of Trustees and the Massachusetts Teachers Association/NEA endorse the principles and standards of academic freedom and academic responsibility as generally and traditionally accepted in institutions of higher education. They agree to promote public understanding and support of academic freedom and agreement upon procedures to assure academic freedom in colleges and universities. Institutions of higher education are conducted for the common good and not to further the interest of either the individual teacher or the institution as a whole. The common good depends upon the free search for truth and its free exposition. Academic freedom is essential to these purposes and applies to both teaching and research.

Academic freedom is the right of scholars in institutions of higher education to study, discuss, investigate, teach, exhibit, perform, and publish. Freedom in research is fundamental to the advancement of truth. Academic freedom in its teaching aspect is fundamental for the protection of the rights of the teacher in teaching and of the student in learning.

The teacher is entitled to full freedom in research and in the exhibition, performance, and publication of the results of his/her research, to full freedom in the classroom in discussing his/her subject, and most specifically in the selection of classroom materials including selection of texts. The teacher is entitled to discuss controversial issues. As both a teacher and scholar he/she recognizes a professional obligation to present various scholarly opinions and to avoid presenting totally unrelated materials.

Faculty members have the right to determine the amount and character of the work and other activities they pursue outside the College provided such work and other activities do not interfere with the discharge of their responsibilities.

ACADEMIC HONESTY

Academic honesty is expected of all students. Plagiarism and cheating are not condoned and are subject to an academic penalty, which may be failure for the course in which the violation took place. A record of the violation is submitted to the Office of Academic Affairs and repeated offenses may result in suspension or dismissal from the College. Violations of academic honesty include cheating on examinations, plagiarism, and submission of papers for credit in two or more classes, to name a few examples.

EXAMINATIONS

Violations of academic honesty with regard to examinations consist of the following:

1. Receiving assistance or assisting others while the examination is in progress.

2. Obtaining or attempting to obtain prior to an examination, copies of the examination or the questions to appear on the examination.

3. Obtaining or attempting to obtain any unauthorized knowledge regarding the exam or the questions to appear on the examination from another student who possesses information regarding the contents of the exam.

4. Disseminating any written or verbal information regarding the contents of an examination to students who have not yet completed or taken said examination.

5. Utilizing or consulting any unauthorized information, such as notes or books, during an examination.

PLAGIARISM

Plagiarism will not be tolerated. Plagiarism consists of utilizing the work, words, or ideas of another person as if they were your own. All papers must have proper footnotes and references.

MULTIPLE SUBMISSIONS OF A SINGLE PAPER

Instructors are not required to accept a term paper submitted in other courses, i.e., a student may not submit the same research paper for credit in two classes within the college without prior written consent from both instructors.

COPYING COMPUTER SOFTWARE

The software installed on the College computers is protected by copyright laws, and the College has purchased the right to run this software. It does not have the right to make unlimited copies of this software. Making unauthorized personal copies of installed software is against the law.

LAB AND CLASSROOM USE

The primary use of laboratory and classroom space is for instruction purposes. Consequently, priority for room use will be given to faculty holding classes.

Please note: Faculty holding classes in computer laboratories or other specialized facilities have the right to ask students (or staff) who are not part of the class to leave. Faculty reserve the right to allow students (or staff) to work independently in the room during class time.

To assist in the use of specialized facilities, a classroom use schedule is posted. Please schedule your work accordingly. Any member of the College community who wishes to schedule specialized facilities must make arrangements in accordance with normal classroom scheduling procedures.

NON-ACADEMIC POLICIES

ALCOHOL AND OTHER DRUG POLICY

The Westfield State College Policy and Regulations pertaining to the possession and consumption of alcoholic beverages and the possession, use, sale and distribution of other drugs are designed (1) to conform to the Massachusetts laws, which subject violators to criminal prosecution, and (2) to enhance the health, safety, property, and educational interests of all members of the College community. Accordingly, the College recognizes that certain conduct proscriptions, limitations, and guidelines, which are outlined in the 1996-97 Westfield State College Student Handbook are necessary.

All violators of these regulations will be brought before the student judiciary for disposition of their cases. Alcohol offenses are subject to the following sanctions:

First Offense: Attendance at substance education classes. A $25 service fee will be assessed for on-campus substance education classes and made payable within thirty (30) days of a College judicial procedure decision. The student will also be suspended from the College campus for two (2) consecutive weekends. (This sanction applies only one time and will not be repeated each year.)

Second Offense: Suspended from the College campus for five (5) consecutive weekends with a referral to counseling evaluation and follow-up. Violators at this level will also be required to perform five (5) hours of on-campus community service, within thirty (30) days, as prescribed by the Office of Judicial Affairs.

Third Offense: Suspension from College housing for one (1) academic semester or more with readmission to occur after verification of counseling evaluation and aftercare.

Fourth Offense: Suspension from College for one (1) academic semester or more with readmission to occur after verification of counseling evaluation and aftercare.

Legal Age Alcohol Offenses: Students of legal drinking age shall be subject to the above same sanctions except that for minor offenses (open container in public area) students shall receive a warning before the first level of sanction occurs.

Major Alcohol Offenses: The possession or use of alcoholic beverage containers such as kegs or beer balls (whether full, partially full, or empty) as well as punch bowls or any container with the capacity of more than four (4) litres (whether full or partially full) shall meet with a minimum immediate suspension from housing for one (1) full academic semester or more.

Note: Failure of a student to follow through with a sanction will result in the automatic elevation of the sanction to the next level after the failure is proven through due process procedures published in the Student Judicial Code. Individual exceptions regarding the modification of attendance at substance education classes will be based solely on academic reasons.

The use or possession of drug paraphernalia on the Westfield State College campus is strictly prohibited. Any student found in possession of drug paraphernalia and found responsible for such possession shall be placed on College probation for one (1) academic year and shall be required to attend on-campus substance education classes and pay the service fee of $25 for these classes within thirty (30) days of a College judicial procedure decision. A student found responsible for a second offense shall be subject to College housing suspension for one (1) full academic semester or more and a counseling evaluation and follow-up. After a second offense, a student shall be subject to College suspension for one (1) full academic semester or more. Prior to returning to College housing and/or College, the student must provide verification of counseling evaluation and follow-up.

Drug Use or Possession: The Westfield State College Board of Trustees in upholding state laws and regulations and in supporting the mission of the College requires its agents to enforce College regulations regarding the unlawful use or possession of controlled substances and drugs on the Westfield State College campus. Any student found in possession of an illegal drug substance or found to be using such illicit substance and found responsible of such possession or use shall (this applies only to first-time offenders) be suspended from housing for one (1) academic semester or more with readmission to occur after verification of counseling evaluation and aftercare. In addition the student will attend on-campus substance education classes and be assessed a $25 service fee for these classes made payable within thirty (30) days of a College judicial procedure decision.

Any student found guilty of a second offense of possession or use of an illegal drug substance shall be suspended from the College for one (1) academic year or more with the possibility of returning to the College pending counseling evaluation and aftercare and by the decision of the Vice President, Student Affairs with no right of return after a third offense.

Drug Sale or Distribution: Any student found responsible of the sale or distribution of controlled substances or drugs on the Westfield State College campus by the College Student Judicial System will immediately be suspended from College for the current semester plus one (1) complete Academic year. A student may apply for readmission through regular College procedures with the written recommendation from the Vice President, Student Affairs and the Counseling Center Director/designee. The review will include, but not be limited to, documentation from the student that he/she has undergone drug counseling. The Vice President, Student Affairs and the Counseling Center Director/designee reserve the right to attach any reasonable conditions to a decision of readmission (i.e. continued counseling). A breach of said readmission conditions shall be grounds for College suspension. The student, if readmitted, will be on a probationary status for one (1) year with no right of return after a second offense.

Tobacco Products: In considering the dangers of second-hand smoke and in following the national trends in reducing tobacco-related health risks, the use of tobacco products (i.e. cigars, cigarettes, pipes, chewing tobacco and other usable forms of tobacco) shall be prohibited inside of any campus building except in those areas otherwise permitted by College/housing policy and regulations.

Other Drugs: While Westfield State College regulates the consumption of alcoholic beverages and prohibits the use of illicit drugs, the College in promoting an environment directed toward wellness, recognizes that other legal substances may be used in harmful and abusive ways. In an effort to promote personal growth and problem solving without the use or abuse of substances, Westfield State College strongly discourages the abuse of any over-the-counter substances or prescription drugs. If the College has reasonable cause to believe that a student is abusing such drugs, the College may require a student to attend counseling evaluation and aftercare.

THE FAMILY EDUCATIONAL RIGHTS AND PRIVACY ACT

The Family Educational Rights and Privacy Act of 1974 which took effect on November 19, 1974, assures confidentiality of education records containing information directly related to a presently enrolled student, a former student or alumnus/a.

Unless a student specifically requests in writing from the registrar that his/her prior consent be obtained, an educational institution may make public "Directory Information" about a student, which includes name, address, date and place of birth, telephone listings, schools attended, degrees and awards received, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, most recently attended educational institution. However, to protect the safety and security of our students, Westfield will release only local telephone numbers and will not release address information, except in the context of requests under the Freedom of Information Act.

A request made by students to suppress from public distribution the above mentioned information is to be made in writing annually to the Registrar, no later than October 1 of the academic year for which the information is being made public.

As this law is interpreted at Westfield State College, the College may not release information about a student's academic performance or any other aspect of a student's college life to anyone, including the student's parents, except upon the written authorization of the student. If a student is declared as a dependent on a parent's Federal Income Tax Form, the parent has a right to this information. It is up to the parent to establish the dependent status of the student, or to the student to provide written authorization to the college to release such information to the parent. Other exceptions are provided by law and are published in the Student Handbook.

Further information on the Family Education Rights and Privacy Act of 1974 may be obtained from the Office of Registrar or the Vice President, Student Affairs.

HAZING LAW - CHAPTER 665

Students are advised to be familiar with the Massachusetts General Laws, Chapter 269, Sections 17, 18, and 19 relative to the crime of hazing. A copy of the law is printed in the Student Handbook, distributed to all full-time students once a year.

MEDICAL HISTORY FORM AND EVIDENCE OF IMMUNIZATION

Westfield State College requires that all incoming students have a Medical History Form and evidence of updated immunizations on file in Health Services. Massachusetts General Laws, Chapter 75, Section 15c, requires that all students born as of January 1, 1957 and matriculated in institutions of higher education furnish evidence of immunizations. The college regards the submission of these materials as part of the registration process. Students who do not submit such evidence by the date established by the college will be administratively withdrawn. Students who are administratively withdrawn may not reenter until the following semester, and then only upon payment of a reentry fee and submission of the required forms.

AFFIRMATIVE ACTION, NON-DISCRIMINATION AND DIVERSITY

The College maintains and promotes a policy of non-discrimination on the basis of race, creed, religion, color, gender, sexual orientation, age, disability, veteran status, marital status and national origin. This policy incorporates by reference and where applicable the requirements of Federal Executive Orders 11246 and 11375 as amended; the Civil Rights Act of 1988; the Civil Rights Act of 1991; Title IX of the Higher Education Amendments of 1972 as amended; Section 503 and 504 of the Rehabilitation Act of 1973; the Americans with Disabilities Act of 1990; Section 402, Vietnam Era Veterans Readjustment Assistance Act of 1974; and pertinent Laws, Regulations and Executive Orders; directives of the Higher Education Coordinating Council, the Boards of Trustees of the Massachusetts State Colleges and the Commonwealth of Massachusetts, and other applicable local, state and federal statutes.

Non-discrimination requires the elimination of all existing discriminatory conditions, whether purposeful or inadvertent. The Massachusetts State Colleges shall systematically examine all policies and procedures to be sure that they do not, if implemented as stated, operate to the detriment of any person on the basis of race, creed, religion, color, gender, sexual orientation, age, disability, veteran status, marital status or nation[al] origin.

The Massachusetts State Colleges are committed to a policy of affirmative action, equal opportunity, non-discrimination and diversity. They are committed to providing a learning, working and living environment for their students, employees, and other members of the College Community which values the diverse backgrounds of all people...The Colleges believe that the diversity of socioeconomic, racial, ethnic, religious, gender, sexual orientation, age and disability backgrounds of members of the College Community enriches the institutions and their various constituencies. The Colleges will not tolerate behavior based in bigotry which has the effect of discriminating unlawfully against any member of their communities.

Excerpted from the Personnel Section of the Westfield State College Policy and Procedures Manual, Policy Number 2020.

SEXUAL HARASSMENT

It is against the policy of Westfield State College for any member of the College Community, male or female, to sexually harass another employee, student, or other person having dealings with the institution. The College is committed to providing a working, living and learning environment that is free from all forms of sexually abusive, harassing or coercive conduct. This policy seeks to protect the rights of all members of the College Community (faculty, librarians, administrators, staff and students) and other persons having dealings with the institution, to be treated with respect and dignity.

Sexual harassment is a form of behavior which fundamentally undermines the integrity of academic and employment relationships. It is of particular concern within educational institutions where all members of the community, but especially students, faculty, librarians, staff and administrators are connected by strong bonds of intellectual interdependence and trust. Both the Federal Courts and the Equal Employment Opportunity Commission have ruled that sexual harassment constitutes sex discrimination as defined under Title VII of the Civil Rights Act of 1964. Sexual harassment has also been judged to be prohibited sex discrimination under Title IX of the Higher Education Amendments of 1972 as amended, and under Chapters 151B and 151C of the Massachusetts General Laws.

Sexual harassment consists of unwelcome verbal, non-verbal and/or physical behavior of a sexual nature which has the effect of interfering with student, employment, academic or other status, or of creating a sexually intimidating, hostile, or offensive environment. Sexual harassment incidents can involve a male harasser and a female victim, a female harasser and a male victim, or same gender harassment.

Unwelcome sexual advances, requests for sexual favors and other verbal or physical conduct of a sexual nature constitute sexual harassment when: a. submission to such conduct is made either explicitly or implicitly a term or condition of an individual's employment or education; b. submission to, or rejection of, such conduct by an individual is used as a basis for academic or employment decisions affecting that individual; or c. such conduct has the purpose or effect of substantially interfering with an individual's academic or professional performance or creating a sexually intimidating, hostile or offensive employment, educational or living environment.

Examples of sexual harassment may include, but are not limited to: verbal harassment or abuse; pressure for sexual activity; sexual remarks about an individual's or group's clothing, body or sexual activities; unnecessary touching, patting, or pinching; demands for sexual favors accompanied by implied or overt threats or offers concerning one's job, grades, letter of recommendation, etc.; physical sexual assault.

Under this policy, consenting romantic and/or sexual relationships between faculty and student, librarian and student, administrator and student, classified staff member and student, or supervisor and employee are deemed unprofessional...

Codes of Ethics for most professional associations forbid professional/client sexual relationships. In this context and for purposes of this policy, the professor/student relationship is properly regarded as one of professional and client. The respect and trust accorded a professor by a student, as well as the power exercised by the professor in giving praise or blame, grades, recommendations for further study and employment, and other benefits or opportunities diminish the student's actual freedom of choice such that relationships thought to be consensual may in fact be the product of implicit coercion. Many elements of the administrator/student, librarian/student, classified staff member/student and the supervisor/employee relationship are similar to those of the professor/student relationship because of a similar imbalance of power and a similar need for trust. For purposes of this policy, therefore, these relationships are also discouraged and looked upon with disfavor.

Excerpted from the Personnel Section of the Westfield State College Policy and Procedures Manual, Policy Number 2100.

DISCRIMINATION COMPLAINT PROCEDURE

A person who believes that s/he has been discriminated against on the basis of race, color, religion, national origin, gender, sexual orientation, age, disability, marital or veteran status may: a. File an informal claim either permitting or not permitting the use of his/her name, in an effort to resolve the matter; b. File a formal complaint either with or without first filing an informal claim; c. Proceed from an informal claim to a formal complaint; d. If provided for by law, file a charge directly with the local, state, or federal agency having appropriate jurisdiction.

Information and assistance on any of these options are available from the Director of Equal Employment, Parenzo 210A, extension 5216. Complete information on Complaint Procedures may be found in the Personnel Section of the Westfield State College Policy and Procedures Manual, Policy Number 2070.

BACHELOR DEGREES BY MAJOR

Westfield State College students are awarded a Bachelor of Arts Degree, a Bachelor of Science Degree, or a Bachelor of Science in Education Degree, upon completion of the course of study required in their major field. See department course listings for specific major requirements.

BACHELOR OF ARTS DEGREE

Art
Economics
English
French
History
Liberal Studies
Mass Communication
Mathematics
Music
Political Science
Psychology
Social Science
Spanish

BACHELOR OF SCIENCE DEGREE

Applied Chemistry
Biology
Business Management
Computer Science
Computer Information Systems
Criminal Justice
General Science
Liberal Studies
Movement Science
Regional Planning

BACHELOR OF SCIENCE IN EDUCATION

Elementary Education
(includes Early Childhood Education)
Special Education

COURSE PATTERN FOR A DEGREE

One hundred and twenty credits are required for graduation. These credits are distributed among courses required for the chosen academic major; courses that satisfy the common core; and electives, which may include courses that fulfill the requirements of an academic minor.

MAJOR

Courses in this segment are prescribed by the department wherein the major is housed and total approximately forty hours of credit. For specific major program requirements, see the departmental section in this Bulletin.

MINORS

A student may also earn a minor in an academic area different from the major as part of his/her course of study. Details about specific minors are included in the departmental listings.

Westfield State College students may minor in many of the academic areas in which majors are offered, as well as in the following areas:

Cartography
Chemistry
Commercial Recreation and Tourism
Finance (Economics majors)
Geography
German
Italian
Latin American Studies
Literature
Philosophy
Reading (Education majors)
Sociology/Social Work
Theatre
Wilderness Leadership
Women's Studies
Writing

COMMON CORE

All students must complete a total of 40 semester hours, distributed among the different academic areas as follows:

Humanities (18 credits)	
Communications (Composition)	(6)
Intellectual and Moral Criticism	(6)
Appreciation of Fine Arts	(6)
Social Science (12 credits)	
State and Local Government	(3)
Social Understanding	(9)
Analytical Science (10 credits)	
Natural Science	(4 - 7)
Mathematical Reasoning	(3 - 6)

The foundations of the Common Core are disciplinary forms within which students select specific courses. The goals of the Common Core are to introduce students to areas of study which are seen as necessary ingredients for a cultivated, humane life.
In meeting the requirements of the Common Core, Westfield students acquire:

1. The capacity to communicate clearly in one or more natural languages
2. The capacity for intellectual and moral criticism
3. An appreciation of the fine arts
4. An understanding of the machinery of state and its history
5. The capacity for social understanding
6. An understanding of natural science
7. An understanding of mathematical reasoning.

COMPOSITION COMPONENT OF CORE

All full-time students must complete ENGL 0101 and ENGL 0102, English Composition I and II. These two courses constitute a unit which all students must complete within the first two semesters in which they are enrolled at Westfield State College. Any exceptions to this policy must be approved by the Chair of the English Department. Note that students are not permitted to withdraw from ENGL 0101 or ENGL 0102 and that both courses are a pre-requisite for 0200 level core English classes.

ELECTIVES

Students select elective courses according to their personal interests, except for the students majoring in elementary or special education, who may be required to take specific electives to satisfy certification requirements.

COMMON CORE OF STUDIES

HUMANITIES SECTION (18 HOURS)

1.Communications (6 hours)

English

ENGL 0101-0102	English Composition I & II
ENGL 0105-0110	Honors English Comp I & II

2.Intellectual and Moral Criticism (6 hours)

Philosophy

PHIL 0101	Intro. to Soc. & Pol. Phil.
PHIL 0102	Intro. to Ethics
PHIL 0104	Great Philosophical Issues
PHIL 0107	Major Religions of the West
PHIL 0108	Major Religions of the East
PHIL 0110	Intro. to Philosophy of Science

Literature

ENGL 0213	Major British Writers
ENGL 0215	Major American Writers
ENGL 0221	World Literature to 1750
ENGL 0222	World Literature Since 1750
ENGL 0228	Introduction to Shakespeare

Language

LCUL 0101	French Culture
LCUL 0102	German Culture
LCUL 0103	Italian Culture
LCUL 0104	Hispanic Culture
LFRE 0101-0102	French I & II *
LFRE 0103-0104	French III & IV
LFRE 0120	Intensive French I & II
LFRE 0200	French Conversation
LGER 0101-0102	German I & II *
LGER 0103-0104	German III & IV
LGER 0120	Intensive German
LGER 0200	German Conversation
LITA 0101-0102	Italian I & II *
LITA 0103-0104	Italian III & IV
LITA 0200	Italian Conversation
LJAP 0101-0102	Japanese I & II *
LANG 0100	Essentials of Latin
LANG 0101	Intro. to Study of Language
LPOR 0101-0102	Portuguese I & II *
LSPA 0101-0102	Spanish I & II *
LSPA 0103-0104	Spanish III & IV
LSPA 0120	Intensive Spanish
LSPA 0200	Spanish Conversation

* Core credit not awarded for a single semester of a language at the 0101 level; 6 core credits awarded for 0101 and 0102.

3.Appreciation of Fine Arts (6 hours)

Art

ART 0104	Design Fundamentals
ART 0106-0107	Art Survey I & II

Music

MUSC 0101-0103	Music Appreciation
MUSC 0102	Music in America
MUSC 0110-0111	Basic Music Theory
MUSC 0160	History of Jazz

Drama

ENGL 0104	Introduction to Theatre

SOCIAL SCIENCE SECTION (12 HOURS)

1. State and Local Government (3 hours required by law)

History

HIST 0130	U. S. History and Government

Political Science

POLS 0101	American National Government

2. Social Understanding (9 hours - 6 maximum in one area)

Economics

ECON 0101	Principles of Macroeconomics
ECON 0102	Principles of Microeconomics

Geography

GARP 0101	Principles of Geography

History

HIST 0101-0102	Western Experience I & II
HIST 0150	History of Non-Western World

Political Science

POLS 0101	American National Government
POLS 0103	State and Local Government

Psychology

PSYC 0101	General Psychology

Sociology

SOCI 0101	Principles of Sociology

ANALYTICAL SCIENCE SECTION (10 HOURS including one (1) mathematical reasoning and one (1) lab science)

1. Natural Science

Physical Science

PHYS 0101	Physical Science/Lab
PHYS 0104-0105	Physical Geology & Lab
PHYS 0106	Historical Geology
PHYS 0107	Intro. to Chemistry/Lab
PHYS 0109-0111	General Chemistry I & II/Lab
PHYS 0113	Introduction to Physics/Lab
PHYS 0115-0117	General Physics I & II/Lab
PHYS 0119-0121	Physics I & II/Lab
PHYS 0133	Astronomy

Geography

GARP 0102-0103	Physical Geography & Lab.

Biology

BIOL 0102	Environmental Biology/Lab
BIOL 0104	General Biology I/Lab
BIOL 0106	General Biology II/lab

2. Mathematical Reasoning

Mathematics

MATH 0104	Precalculus
MATH 0105-0106	Calculus I & II
MATH 0108	Elementary Statistics
MATH 0110	Mathematical Explorations
MATH 0111	Mathematical Applications
MATH 0115	Math. for Bus. & Soc. Sci.
MATH 0127	Calculus for Bus. & Soc. Sci.
MATH 0150	Foundations / Sets & Logic
MATH 0251	Foundations / Geometry
MATH 0252	Foundations / Prob & Stats
MATH 0253	Foundations / Number Systems

Philosophy

PHIL 0103-0206	Symbolic Logic I & II

CORE REVISIONS

Westfield State College is in the process of revising the general education requirements (CORE) for an undergraduate degree. For each area in the revised core a set of goals has been established, offering students an opportunity to develop the critical skills needed to deal effectively with a variety of academic disciplines and concepts. The College anticipates that work on the revised core will be completed during the 1996-1997 academic year and that the revised core will be effective with students entering Westfield as freshmen in the Fall of 1997.

New core courses may be designed to fulfill the requirements of more than one core area. For example, a single course may be designed to satisfy both a Literary and Philosophical Analysis requirement and an Upper-Level requirement; or a course may be designed to satisfiy both a Social Understanding and a Diversity requirement. In addition, many of the courses that satisfy core requirements will also satisfy requirements within the major. Consequently, the credits listed for each area should not be viewed as separate quantities to be summed for a total number of core credits, but as a guideline for the distribution of the courses to be applied to the core.

The structure of the new core has been approved and includes courses in the following areas:

English Composition	(6 credits)
Literary and Philosophical Analysis	(6 credits)
Appreciation of the Arts	(6 credits)
United States History and Government	(3 credits)
Mathematics and Applied Analytical Reasoning	(6 credits)
Traditional Laboratory and Allied Science	(7-8 credits)
Social Understanding	(9 credits)
United States and Global Diversity	(6 credits)
Upper-Level	(6 credits)

The upper-level requirement is intended to offer students an opportunity to explore ideas outside their major area in a more focused way than they would in an introductory or survey course.

COURSE NUMBERING PRACTICES

In this catalog, there are separate sections for each academic department and inter-disciplinary program within the College. These are arranged alphabetically.

DEPARTMENT IDENTIFIERS

ART	Art
BIOL	Biology
CAIS	Computer and Information Science
CRJU	Criminal Justice
ECON	Economics and Management
EDUC	Education
ENGL	English
GARP	Geography and Regional Planning
HIST	History
IDIS	Interdisciplinary Studies
LANG	Foreign Languages/General
LCUL	Foreign Languages and Literatures/Culture
LFRE	Foreign Languages/French
LGER	Foreign Languages/German
LITA	Foreign Languages/Italian
LJAP	Foreign Languages/Japanese
LPOR	Foreign Languages/Portuguese
LSPA	Foreign Languages/Spanish
MATH	Mathematics
MCOM	Communication
MGMT	Economics and Management
MOVH	Movement Science/Health
MOVP	Movement Science/Physical Education
MOVR	Movement Science/Recreation
MUSC	Music
PHIL	Philosophy
PHYS	Physical Science
POLS	Political Science
PSYC	Psychology
SOCI	Sociology and Social Science
WSTP	Women's Studies

NUMBERING SYSTEM

The course numbering system is as follows:

0100 Lower Level Courses
0200 Upper Level Courses (Undergraduate credit only)
0300 Upper Level Courses (Undergraduate credit only)
0500 Graduate Credit Courses
0600 Graduate Credit Courses
0700 Graduate Credit Courses

FREQUENCY OF OFFERINGS

Not every course in the following listing is offered annually. Definite information about course offerings and class hours is available at the time of registration through the Office of the Registrar. Insufficient enrollment or changing conditions may occasionally necessitate the withdrawal of scheduled courses.

Please check with appropriate departments to determine if the courses sought are being offered and when they are scheduled. This will be important in planning a program of classes for the year, and for designing a four-year program in order to meet degree requirements.

ART

The emphasis in the visual arts program is placed on the development of a strong two-dimensional capability through drawing and painting.

In addition to the major program, the Art Department offers various minors and concentrations. Internships are available in the Graphic Design concentration as well as the Teaching Certification concentration. All courses are open to students who meet the proper prerequisites.

The Arno Maris Art Gallery, located in the college library, is staffed by the Art Department and presents national and international exhibitions, as well as an annual student exhibition. The department also maintains a College Collection containing many fine works of art which are exhibited periodically.

The art studios are open to all art majors for all of their studio-related projects. Students may participate in various fine arts clubs which, along with the department, sponsor field trips to galleries throughout the year. Field trips to galleries in New York City and Boston are a regular part of student activities.

REQUIREMENTS FOR ART MAJORS

ART 0100	Materials and Safeguards	(1)
ART 0104	Design Fundamentals	(3)
ART 0209	Color Theory and Practice	(3)
ART 0103	Drawing I	(3)
ART 0330	Anatomy for the Artist	(3)
ART 0301	Drawing II	(3)
ART 0102	Painting I	(3)
ART 0202	Painting II	(3)
ART	One advanced painting course	(3)
ART 0204	Pottery I	(3)
ART 0201	Printmaking I	(3)
ART 0205	Sculpture I	(3)
ART	One studio elective	(3)
ART	Two advanced level art history courses	(6)

And one of the following:

ART 0303	Printmaking II	(3)
ART 0304	Pottery II	(3)
ART 0305	Sculpture II	(3)

Art majors are also expected to take ART 0106 and ART 0107, Art Survey I and II to satisfy the Fine Arts requirement of the common core.

Art majors must complete a minimum of 27 credits of course work within the Art Department at Westfield State. Students are advised to consult their advisors for information on course sequencing and general core requirements.

Art majors intending to pursue graduate work beyond their major are advised to take additionally recommended studio courses of their choice. It is also advisable to include more than the minimum requirementts in Art History.

ART MAJOR/GRAPHIC DESIGN CONCENTRATION

For the Art Major interested in a career in Graphic Design or commercial advertising, the following program concentration is recommended:

Graphic Design Courses - 18 credit hours:

ART 0206 Lettering and Layout	(3)
ART 0328 Graphic Design I	(3)
ART 0210 Typography	(3)
ART 0344 Graphic Design II	(3)
ART 0108 Computer Graphics for Art Applications I	(3)
ART 0329 Illustration I	(3)

Additional Electives Available:

ART 0212 Computer Graphics for Art Applications II	(3)
ART 0343 Illustration II	(3)
ART 0348 Portfolio Preparation	(3)

The Commercial Art Practicum (ART 0340), an 8-16 week on-the-job experience in a commercial advertising agency or design department, may be taken for 3-12 credits upon completion of the required 18 credits for the graphic design concentration.

ART MAJOR/FINE ARTS CONCENTRATION

For the art major who is interested in a career in fine arts or preparation for graduate school in studio art (MFA), an additional 18 credits of 200 and 300-level courses are recommended beyond the art major requirements, to be selected from the following:

Advanced Studio Courses	(3-6)
Advanced Drawing	(3)
Advanced Elective	(3)
ART 0348 Portfolio Preparation	(3)
ART 0399 Thesis	(3-6)

ART CERTIFICATION PROGRAM

Students wishing to be certified to teach art, must complete all the requirements of the Art major. They must also complete an additional 23 credit certification sequence for either Elementary (N-9) or Secondary (5-12) certification, as follows:

ELEMENTARY

EDUC 0221	Equity in Education	(3)
ART 0323	Introduction to Art Education	(3)
ART 0324	Art Methods/Materials	(3)
ART 0322	Art Education Curriculum (Elementary)	(3)
PSYC 0202	Child Psychology	(3)
ART 0331	Practicum (N-9)	(6)

SECONDARY

EDUC 0221	Equity in Education	(3)
ART 0323	Introduction to Art Education	(3)
ART 0324	Art Methods/Materials	(3)
ART 0322	Art Education Curriculum (Secondary)	(3)
PSYC 0203	Adolescent Psychology	(3)
ART 0351	Practicum (5-12)	(6)

In addition, during the last semester of their senior year, students must take a 2 credit practicum seminar.

NOTE: A MINIMUM CUM OF 2.7 IS REQUIRED FOR A PRACTICUM PLACEMENT

Every effort will be made to provide a timely sequence of courses in order to fulfill graduation and teaching certification courses, but there may be instances where this is impossible.

If any questions arise concerning sequence, time of student teaching, etc., please contact the Program Coordinator, Art Education Certification.

The Interstate Certification Compact (I.C.C.) is a legally based teacher certification reciprocity agreement among 32 states. Its value for students is that it provides reciprocal certification in the member states. Membership in I.C.C. is often an aid in job acquisition in non-member states as well.

The following state are I.C.C. certified:

Alaska	Maryland	Rhode Island
California	Massachusetts	South Carolina
Connecticut	Minnesota	South Dakota
Delaware	Nebraska	Utah
Florida	New Hampshire	Vermont
Hawaii	New Jersey	Virginia
Idaho	New York	Washington
Indiana	North Carolina	West Virginia
Iowa	Ohio	Wisconsin
Kentucky	Oklahoma	Panama Canal Zone
Maine	Pennsylvania	

ART HISTORY COURSES

ART 0106 ART SURVEY I (3) Major representative works of western art and architecture from prehistoric times through the middle ages will be presented from a critical and historical viewpoint. The student will be introduced to the aesthetic and philosophical principles that underlie all art as well as to the relationship between the visual arts and the culture and society which produced them.

ART 0107 ART SURVEY II (3) The study of western art and architecture from the Renaissance to the present will be presented under the same format as ART SURVEY I.

ART 0316 HISTORY OF AMERICAN ART (3) A study of the painting, architecture and practical arts in the United States from the period after colonial times to the present.

ART 0317 CLASSICAL ART (3) The chief artistic accomplishments of ancient Greece and Rome. Extensive study into the realm of Greek and Roman architecture, classical sculpture, building and portraiture, as well as the minor arts.

ART 0318 FLEMISH ART (3) Study of Netherlandish painting of the 14th through 16th century works of art, from Jean Pucelle to Brueghel.

ART 0319 RENAISSANCE ART (3) A study of the major artistic achievements of the Italian Renaissance from Giotto to Michaelangelo with special emphasis on painting and sculpture.

ART 0321 CONTEMPORARY ARTISTS AND CONTEMPORARY ART (3) Students will be introduced to the works and ideas of modern contemporary American artists since 1950 with reference to the influence of selected European modern artists. Museum trips are included.

ART 0333 EARLY TWENTIETH CENTURY ART (3) A study of modern movements in painting and sculpture from 1900 to 1940 including Fauvism, Cubism, Futurism, and Surrealism.

ART 0334 NINETEENTH CENTURY ART IN EUROPE (3) A study of European painting and sculpture from the Romantic-Classical styles of David and Delacroix through the Post-Impressionism of Paul Gauguin.

ART 0338 EARLY CHRISTIAN AND BYZANTINE ART (3) A study of the sources and development of art of Christian West to 600 A.D. and of Byzantium to 1435. Attention will be given to the emergence of a Christian form of artistic expression and its connection with the heritage of late antique art, Byzantine architecture, its monumental mosaic and fresco decoration, manuscript illumination and icon painting.

ART 0341 17th CENTURY ART (3) A study of formation and evolution of the Baroque movement in European architecture, sculpture and painting. Emphasis will be given to the individual styles and artistic ideas, as shown in works and writings of selected major artists of the 17th century.

ART 0345 CRITICISM (3) Classical and contemporary theories of art with emphasis on concepts involved in the interpretation, evaluation and criticism of works of art. Prerequisites: ART 0106 and ART 0107 or equivalent.

ART 0346 JAPANESE ART AND ARCHITECTURE (3) Japanese Art and Architecture, their Chinese sources and problems of evolution. Also, the social and cultural changes with the aesthetic output.

ART 0347 NON-WESTERN TRADITIONS IN MODERN EUROPEAN AND AMERICAN ART (3) A study of selected problems including: The meaning of Japanese color prints in the development of Impressionism and Post-impressionism; Modern Primitivism and its relation to the African sculpture and the art of primitive peoples; and the significance of Japanese traditional architectural concept for Modern Japanese, European and American architecture. The emphasis will be placed on the new relation between form and space developed under the condition of the crisis of the traditional western three-dimensional system of representation.

ART 0350 CONTEMPORARY ART AND CONTEMPORARY BEHOLDER (3) This seminar will examine the fundamental characteristic of Modern Art, i.e. its nonrealistic nature. Students will study why it has proved difficult for viewers to accept and critics to explain that works of Modern Art are not descriptions or illusions of actuality. Main trends of Modern Art, such as Cubism, Abstractionism, and Abstract Expressionism will be investigated. The works of Picasso, Kandinsky, Malevich, Mondrian, and others will be analyzed in relation to traditional Western European Art and the validity of its traditional criteria.

STUDIO COURSES

ART 0100 MATERIALS AND SAFEGUARDS IN ART (1) Is designed to outline the basic art media and materials used in studio art. Emphasis is placed on safeguards in utilizing art materials.

ART 0102 PAINTING I (3) Painting I is an introduction to the craft of painting for those with little or no experience. This course acquaints the student with the fundamental aspects of painting such as canvas preparation, preliminary drawing and basic painting techniques. Emphasis is placed on "how to get started".

ART 0103 DRAWING I (3) Drawing I presents the study of structure in form and space through the creation of three-dimensional illusions on two-dimensional surfaces. Line, texture, value and shape are introduced in addition to linear and atmospheric perspective, life drawing, and various media.

ART 0104 DESIGN FUNDAMENTALS (3) An investigation of the basic elements of art: line, shape, tone, texture, form, and space. These design elements are explained in theory as well as practice. The expressive possibilities of a variety of materials are also explored.

ART 0105 THREE DIMENSIONAL DESIGN (3) This course will address the basic fundamentals of 3-dimensional design. Students will learn a shared vocabulary of visual and verbal elements as a means to design and construct three dimensional objects. Classes will be a combination of studio, lecture and critique/discussion sessions.

ART 0201 PRINTMAKING I (3) The basic techniques in intaglio and relief printmaking will be explored. The intaglio procedures of line etching, aquatint, sugarlift and soft ground will be introduced. Collographs (a multimedia technique) and woodcuts (a relief printing process) will also be utilized. Students will create a series of prints in the various techniques and will develop an awareness of the visual and technical aspects of an original print.

ART 0202 PAINTING II (3) Painting II is a continuation of the fundamental aspects of painting using oil and/or acrylic. Students have the opportunity to paint from the still-life and model in both a representational and non-representational manner. Technical aspects of painting are explored, including the techniques of underpainting and glazing. Prerequisite: ART 0102.

ART 0203 WORKS ON/OF PAPER (3) The intent of this course is to encourage students to develop skill in various techniques and materials applicable to a paper support or ground. This course is for both the Fine Art major and those interested in furthering their illustration techniques. Working in and with paper will be examined through various aqueous media, collage, pastel and mixed media. Prerequisite: ART 0202.

ART 0204 POTTERY I (3) An introduction to all phases of creative ceramics, ranging from hand built pottery to slab sculpture and mosaics. Emphasis will be on exploration of the many decorative, functional and aesthetic aspects of ceramics.

ART 0205 SCULPTURE I (3) Provides an elementary consideration of sculpture through form and composition and includes studies in clay and plaster. There is some work from the human figure. Techniques include mature constructions, direct building in plaster, and casting into plaster and other materials.

ART 0207 WATERCOLOR (3) This course will emphasize the visual dynamics of the watercolor medium: its transparency and ability to interact directly with the paper (ground) to produce colors, textures, and forms. Through a series of exercises, the student will have an opportunity to develop skills and master the techniques of the medium. Prerequisite: ART 0202.

ART 0209 COLOR THEORY AND PRACTICE (3) The study of interaction of color in theory and practice through experimentation with various color media.

ART 0301 DRAWING II (3) Drawing II is a continuation of Drawing I. The focus is on the individual's needs as they develop a basic understanding of drawing. Emphasis is placed on life drawing in various media. Prerequisite: ART 0103.

ART 0302 WATERCOLOR II (3) A continuance of Watercolor Painting I, with mixed media, including gouache. Prerequisite: ART 0207.

ART 0303 PRINTMAKING II (3) A studio course which will further explore and develop the techniques of intaglio, relief, stencil and/or planographic printmaking. The emphasis will be on utilizing the various techniques introduced in Printmaking I and developing a deeper understanding of the visual and technical aspects of an original print. The use of color in the media of concentration will be explored. Prerequisite: ART 0201.

ART 0304 POTTERY II (3) A continuation of Pottery I with emphasis on wheel thrown pottery and individual investigation and experimentation with glazes. Prerequisite: ART 0204.

ART 0305 SCULPTURE II (3) Continuance of Sculpture I. Prerequisite: ART 0205.

ART 0306 TECHNICAL PAINTING (3) An introduction to the craft of painting. This course will explore traditional methods and their application to contemporary problems. The developement of technique will be examined through a study of egg tempera, old master oil techniques, Impressionist style painting and modern masters. There will be frequent demonstrations and direct assistance to students. Prerequisite: ART 0202.

ART 0307 ADVANCED PAINTING (3) This course is designed to allow the painting major who has completed the required painting courses to continue to explore painting in an advanced and individual manner. Technical and formal investigation will be coupled with individual vision. Prerequisite: Permission of instructor.

ART 0308 FIGURE AND/OR LANDSCAPE PAINTING (3) This course may be divided into two segments: painting from the human figure and/or from the landscape. Life painting assignments will involve various painting approaches from the traditional rendering to the use of the figure as the starting point for a more abstract color-space problem. Painting the landscape will involve on-site painting and working from drawings, photographs and the imagination. Media: oil, acrylic and/or watercolor. Prerequisite: ART 0202.

ART 0309 ADVANCED DRAWING (3) A course in Advanced Drawing will develop the student's own direction and personal expression. Prerequisite: ART 0301.

ART 0310 WORKSHOP IN CRAFTS (3) An introduction to a number of crafts and an opportunity to pursue several crafts as chosen. Woodwork, weaving, ceramics, enameling, puppetry, casting, rug designing, fibers and fabrics, basic printing techniques and leatherwork are offered.

ART 0312 INTAGLIO PRINTING (3) This course will explore intaglio techniques not employed in Printmaking I. Engraving, mezzotint, drypoint, photo-intaglio and ink viscosity printing will be some of the areas introduced. Involvement with the intaglio media as a mode of expression will be emphasized. Prerequisite: ART 0201.

ART 0313 LITHOGRAPHY (3) A studio course dealing with the planographic techniques of lithography. The various drawing materials used in this medium will include crayon, tusche, asphaltum, and the transfer method. The technical aspects of preparing, etching and printing the stone will be stressed. The visual and artistic understanding of an original print will also be emphasized. Color lithography will be introduced with various methods of registration. Prerequisite: ART 0201.

ART 0314 RELIEF PRINTING (3) A studio course offering various methods of relief printing. The techniques covered in this area will be line-cuts, woodcuts, cardboardcuts, wood engravings and gesso-cuts. The use of more than one color in a relief print will also be explored. The visual and artistic understanding of the above techniques will be emphasized. Prerequisite: ART 0201.

ART 0315 SERIGRAPHY (3) A studio course dealing with the stencil printing process of serigraphy (silk-screen). This course will cover the basic processes in serigraphy which are paper, tusche, glue, cut or profilm, and the photographic techniques. The visual and artistic understanding of a serigraph print will also be emphasized. Prerequisite: ART 0201.

ART 0330 ANATOMY FOR THE ARTIST (3) A study of human anatomy including the bone structure, muscles, and proportions. The course will utilize anatomy charts, the skeleton, and live models. Students of dance and drama, as well as students of the visual arts, will benefit from an in-depth study of human anatomy and from an understanding of the human body in movement.

ART 0339 MIXED MEDIA: COLLAGE/ASSEMBLAGE (3) This course integrates painting processes with materials such as wood, metals, fibers, clay and other tactile two and three dimensional media. Prerequisite: ART 0202.

ART 0348 PORTFOLIO PREPARATION (3) A culmination of the Graphic Design Concentration or the Fine Art Studio sequence. Emphasis on portfolio content and arrangement for job placement interviews or graduate school application. Assignment of supplementary art projects to augment portfolio presentation and/or slide reproduction of work. Resume design, preparation, and content also included. Prerequisites: permission of instructor; for senior art majors only.

ART 0349 ABSTRACT PAINTING (3) This course will allow the student to develop compositions and ideas in painting which digress from realistic depiction of subject matter. Analytical abstraction and non-objective content will allow for degrees of abstraction in order to develop, emphasize and reveal qualities of personal points of view as well as personal painting styles. Prerequisite: ART 0202.

GRAPHIC DESIGN COURSES

ART 0108 COMPUTER GRAPHICS FOR ART APPLICATIONS I (3) This introductory computer graphics course allows the student to explore the creative, visual and artistic possibilities which the micro-computer offers. Classwork and lab time on the computer is supplemented with slide lectures on computer generated are and its potential. Lectures assume no previous knowledge of computers or programming. Students create a variety of projects in form of slides, animations, and printouts.

ART 0206 LETTERING AND LAYOUT (3) Basic type and letter forms will be studied with an emphasis on mechanical lettering. Calligraphy as an expressive use of lettering will also be utilized. Basic layout techniques will be discussed and explored in conjunction with commercial advertising, posters, product labels, and brochures.

ART 0210 TYPOGRAPHY (3) The communicative and aesthetic aspects of type faces will be explored. Procedures in type specifications for catalogs, books and commercial advertisements will be introduced. Assignments will involve using type as the primary element in design. Prerequisite: ART 0206.

ART 0211 VISUAL COMMUNICATION AND DESIGN (3) A survey of media used in visual communication and commercial advertising. Technical procedures of printing and/or production will be outlined and basic design fundamentals, typography and graphic production procedures will be introduced. Prerequisite: sophomore standing.

ART 0212 COMPUTER GRAPHICS FOR ART APPLICATIONS II (3) Computer Graphics for Art Applications II is designed to be a sequel to the first semester for computer graphics. The format is slide lectures, classroom and studio lab time. As in the first semester of computer graphics, students have a hands-on experience with various microcomputers. Students also create images via the computer with programming and graphics software utilization in 2-D and 3-D designing.

ART 0328 GRAPHIC DESIGN I (3) A studio course with emphasis on the integration of design fundamentals into graphic communicative forms. Students will be involved in problem-solving experiences in various advertising media. Specific concentration will be on newspaper and magazine advertisements, brochures, television art forms and package designs. Prerequisites: ART 0104 and ART 0206.

ART 0329 ILLUSTRATION I (3) A studio course to introduce the many facets in the illustration field. Students will be involved in various problem solving experiences with concentration on the materials, techniques, and reproduction processes used in magazine, book, technical, and film illustration. The techniques of air brush and photography as illustrative media may also be explored. Prerequisite: ART 0104.

ART 0340 COMMERCIAL ART PRACTICUM (3-12) An 8-16 week, full time, on-the-job work experience program in which the student is placed in an advertising agency or commercial art work setting. The student will be supervised by the agency director and the art practicum advisor. This practicum experience sequence will prepare the student for work procedures in the commercial art field and assist in later job placement.

ART 0343 ILLUSTRATION II (3) A continuation of the study of techniques and application of illustration in the fields of advertising, book publication and technical journals. Portfolio quality work will be stressed. Prerequisite: ART 0329.

ART 0344 GRAPHIC DESIGN II (3) A continuation of the study of graphic communicative forms used in the advertising media. Emphasis will be on analyzing assigned problems and choosing appropriate media for final visual presentation. Prerequisite: ART 0328.

ART EDUCATION COURSES

ART 0322 ART EDUCATION CURRICULUM (3) Curriculum development at either the elementary or secondary level. It includes visits to area schools for the purpose of observations and art curriculum study.

ART 0323 INTRODUCTION TO ART EDUCATION (3) A pre-practicum experience providing students with a working knowledge of the various levels within the public school structure. This experience will be translated into a choice of certification level.

ART 0324 ART METHODS AND MATERIALS (3) The methods, principles and materials for Art Education. Areas included are stages of development, goals of Art Education, personal goals for teaching art, lesson planning and organization and newer media in Art Education. It includes a related pre-practicum experience.

ART 0325 ART IN THE ELEMENTARY SCHOOL K-6 (3) Studio experience with materials related to the art experiences of children. The emphasis will be on giving the prospective teacher a better foundation in understanding and working with art materials and concepts.

ART 0326 PRACTICUM: SEMINAR (ART EDUCATION) (3) The purpose of this course is to have students participating in the practicum (art teaching) share related student teaching problems and successes. Inter-relations between student teachers and pupils will be a prime focus.

ART 0331 PRACTICUM (ART TEACHING K-9) (6-12) Teaching experience within a setting appropriate for the art certification level chosen by the student.

ART 0351 PRACTICUM (ART TEACHING 5-12) (6-12) Teaching experience within a setting appropriate for the art certification level chosen by the student.

ART 0399 INDEPENDENT STUDY (6-12) In History, Studio and Education courses. (By arrangement only.)

BIOLOGY

The Biology Department offers opportunities for study in the areas of environmental, molecular, and organismal biology. Applying the scientific method, students learn to collect and analyze data while working closely with a dedicated faculty. The biology major prepares students for careers and opportunities in a variety of environmental fields, teaching, medical technology, as well as for advanced study in fields such as medicine.

Facilities available to students include eleven well-equipped laboratories, greenhouse, animal room, aquarium room, teaching collections of plants and animals, and an electron microscope. The forest setting of the college offers ample opportunities for field study. Independent studies and internship programs, on and off campus, are available for biology majors wishing to pursue areas of special interest.

Courses in the common core are General Biology I, General Biology II and Environmental Biology. The Human Anatomy and Physiology course meets the requirements of the Movement Science, Sports, and Leisure Studies major, but is not counted towards the Biology major.

REQUIREMENTS FOR THE BIOLOGY MAJOR

All Biology majors must take one introductory level biology course from among the following:

BIOL 0102 Environmental Biology (4)
BIOL 0104 General Biology I (4)
BIOL 0106 General Biology II (4)

Note: These courses may not be counted for both core credit and in fulfillment of the major.

In addition, all Biology majors must take:

BIOL 0228 Biological Concepts (4)
Two 1-credit departmental seminars (2). These are usually taken in the junior or senior year from among the several offered each semester. These courses are numbered BIOL 0280 - BIOL 0289.

In addition, the Biology major is required to take a minimum of 30 additional credits within the Department, including at least 2 courses at the 300 level. Three or more credits of BIOL 0399, Independent Study, may be substituted for one 0300-level course. Course selections must satisfy one of the following three distribution sequences:

Environmental Option
4 courses Group A
1 course Group B
2 courses Group C

Cellular/Molecular Option *
1 course Group A
3 courses Group B
3 courses Group C

Comprehensive Option
2 courses Group A
2 courses Group B
3 courses Group C

* Recommended for students interested in pre-med or medical technology.

Group A - Environmental

BIOL 0201	General Ecology	(3)
BIOL 0202	Conservation	(3)
BIOL 0208	Marine Biology	(4)
BIOL 0215	Economic Botany	(4)
BIOL 0219	Aquatic Biology	(4)
BIOL 0233	Environmental Legislation	(3)
BIOL 0304	Environmental Microbiology	(4)
BIOL 0305	Field Ecology	(4)
BIOL 0316	Urban Ecology	(4)
BIOL 0389	Topics in Environmental Studies	(1-3)

Group B - Cellular/Molecular

BIOL 0203	Genetics I	(4)
BIOL 0205	Cell Biology	(4)
BIOL 0210	Histology I	(4)
BIOL 0223	Microbiology	(4)
BIOL 0303	Medical Microbiology	(4)
BIOL 0313	Immunology	(4)
BIOL 0322	Electron Microscopy	(4)
BIOL 0326	Genetics II	(3)
PHYS 0213	Biochemistry	(3)

Group C - Organismal

BIOL 0207	Embryology	(4)
BIOL 0211	Botany of the Higher Plants	(4)
BIOL 0216	Flora of Massachusetts	(4)
BIOL 0217	Invertebrate Zoology	(4)
BIOL 0221	Vertebrate Physiology	(4)
BIOL 0227	Comparative Vertebrate Anatomy	(4)
BIOL 0230	Evolution	(3)
BIOL 0231	Plant Physiology	(4)
BIOL 0235	Ornithology	(4)
BIOL 0245	Horticulture	(4)
BIOL 0312	Mammalogy	(4)

The Biology major is also required to take courses in related departments, as follows:

PHYS 0109 General Chemistry I (4)
PHYS 0111 General Chemistry II (4)
PHYS 0201 Organic Chemistry I (4)
PHYS 0203 Organic Chemistry II (4)

as well as one of the following:

MATH 0105 Calculus I (3)
MATH 0108 Elementary Statistics (3)
A Computer Programming Course (3-4)

Physics, though not required, is recommended for students considering advanced study.

Note that the math and two semesters of chemistry may be used to satisfy the College's math and science core requirements, thereby reducing the total number of credits needed to complete the biology major.

CERTIFICATION FOR TEACHER OF BIOLOGY (9-12)

Students wishing to be certified to teach Biology at the High School level must complete the following:

All courses for the Biology major with the Comprehensive Option using the course distribution pattern below

The 18-credit secondary education sequence, described in the Education Department listings

BIOL 0290 Teaching Secondary School Biology

NOTE: A MINIMUM CUM OF 2.7 IS REQUIRED FOR A PRACTICUM PLACEMENT

COURSE DISTRIBUTION COMPREHENSIVE OPTION FOR CERTIFICATION

Group A - Environmental

BIOL 0201	General Ecology	(3)

And one of the following:

BIOL 0202	Conservation	(3)
BIOL 0208	Marine Biology	(4)
BIOL 0219	Aquatic Biology	(4)

Group B - Cellular/Molecular

BIOL 0203	Genetics I	(4)

And one of the following:

BIOL 0205	Cell Biology	(4)
BIOL 0223	Microbiology	(4)

Group C - Organismal

One of the following:

BIOL 0211	Botany of the Higher Plants	(4)
BIOL 0216	Flora of Massachusetts	(4)

One of the following:

BIOL 0217	Invertebrate Zoology	(4)
BIOL 0235	Ornithology	(4)
BIOL 0312	Mammalogy	(4)

And one of the following:

BIOL 0207	Embryology	(4)
BIOL 0221	Vertebrate Physiology	(4)
BIOL 0230	Evolution	(3)

BIOLOGY MINOR

The student minoring in biology is required to take 18 credits in Biology, no more than eight of which can be introductory courses (0100 level).

ADVISING

Biology faculty welcome the opportunity to talk to incoming students about the program. Students who decide to major in biology will be assigned a faculty advisor in the Department who can provide guidance concerning the major and related work in mathematics, chemistry, physics, secondary education and other areas of interest. Consultation at an early date will provide the possibility of taking courses which can lead toward a variety of career options.

TRANSFER STUDENTS

Any student transferring into Westfield State College must successfully complete a minimum of 20 biology credits at Westfield State College. These credits must be biology credits. Course work required in the major, but outside the department such as chemistry, will not meet this requirement. Additionally, the biology distribution must also be met.

COURSES

Waiver of prerequisites: A student with a strong background may consult with the instructor to request the waiver of any prerequisite for a specific course.

BIOL 0100 NATURAL HISTORY OF MASSACHUSETTS (2) A discussion of the natural resources of Massachusetts. Topic will include wildlife management, endangered species, Massachusetts' habitats, and representative flora and fauna.

BIOL 0101 SCIENCE FOR THE ELEMENTARY SCHOOL (3) Designed to prepare future teachers to utilize the student-oriented inquiry approach in teaching elementary school science. Emphasis will be placed upon hands-on experiences for accomplishing this through biological, physical, and earth science activities. Course is taught by a professor from the Biology Department and one from the Physical Science Department.

BIOL 0102 ENVIRONMENTAL BIOLOGY (4) An introduction to selected ecological principles, and man's interrelations with, and effects upon, the environment.

BIOL 0104 GENERAL BIOLOGY I (4) Consideration of the means by which representative plants and animals, including the human, solve problems associated with the maintenance of the individual. Problems include gathering and digestion of food, gas exchange, circulation and regulation of the internal environment, reproduction, hormonal and nervous control, movement, and behavior.

BIOL 0106 GENERAL BIOLOGY II (4) Introduction to the study of energy transformations, cellular reproduction, inheritance and the gene, and the development of plants and animals.

BIOL 0201 GENERAL ECOLOGY (3) Denotes and studies physical and biological interactions and principles involved in functioning ecosystems. Includes measurement of local environmental factors and interpretation of these data. The roles of energy, raw materials, plants and animals in successional community development are stressed. Involves field experiences.

BIOL 0202 CONSERVATION (3) Emphasizes the scientific bases for solving current environmental management problems of energy, soil, land, solid wastes, water, air, and wildlife and integrates with sociological, historical, economic, geographic, and political aspects. Each student gathers information and suggests solutions to a local environmental problem of his choice.

BIOL 0203 GENETICS I (4) Emphasizes the Mendelian mechanisms of inheritance, sex inheritance, human heredity, chromosome mapping, and population genetics. Also included are methods for determining genetic probabilities and the analysis of statistical data. Discussions correlate current genetic research with the above, particularly as it relates to prenatal diagnosis of genetic abnormalities and the concept of eugenics in controlling gene frequencies. Prerequisite: Two semesters of introductory biology or one semester and permission of instructor.

BIOL 0205 CELL BIOLOGY (4) A study of the structure, function, and life history of cells and their components. Consideration of relationships among cell organelles and between cells and their environments. Prerequisite: Two semesters of introductory biology or one semester and permission of instructor.

BIOL 0207 EMBRYOLOGY (4) A study of vertebrate embryo development, including developmental patterns and the emergence of form and function as an expression of genetic endowment. Special attention is paid to the avian and mammalian morphogenesis. Prerequisite: One semester of BIOL 0102, BIOL 0104, or BIOL 0106.

BIOL 0208 MARINE BIOLOGY (4) An in-depth investigation of the various marine ecosystems such as sand, mud, and rock intertidal areas, salt marshes, estuaries, coral reefs, and mangrove forests; also the neritic, pelagic, and enthic regions of the open ocean. Includes the numerous interactions between biotic and abiotic factors present. Adaptations of life forms for survival in these environments will be discussed. Also includes laboratory exercises, including establishing, maintaining and analyzing a salt water aquarium, plus field trips to the coast. Prerequisite: one semester of BIOL 0102, BIOL 0104, or BIOL 0106.

BIOL 0210 HISTOLOGY I (4) Study of the microscopic structure and function of animal tissues with emphasis upon the mammal. An introduction to the basic principles of microtechnique. Prerequisite: Two semesters of introductory biology or one semester and permission of instructor.

BIOL 0211 BOTANY OF THE HIGHER PLANTS (4) Describes the course of the evolution of the vascular plants as deduced from their comparative morphology. Emphasis is placed on the adaptive mechanisms which have allowed these plants to spread and diversify on land, and their subsequent importance to man. Laboratory emphasis on plant anatomy, propagation, nutrient and tissue culture, and plant classification. Prerequisite: Two semesters of introductory biology or one semester and permission of instructor.

BIOL 0216 FLORA OF MASSACHUSETTS (4) An introduction to the vascular flora of Massachusetts. Topics will include a taxonomic survey of major families, the use of keys to identify specimens, and the dissection of preserved floral material. The early spring flora will be observed in the field and herbarium specimens will be extensively utilized throughout the course.

BIOL 0217 INVERTEBRATE ZOOLOGY (4) Study of representative groups of invertebrates, including the phylogenetic relationships and the morphology, physiology and natural histories of selected individual animals. Prerequisite: One semester of BIOL 0102, BIOL 0104, or BIOL 0106.

BIOL 0219 AQUATIC BIOLOGY (4) Survey covering the biological, chemical, and physical considerations of inland waters with emphasis on the environmental relationships, identification, and natural history of indigenous aquatic organisms. Considerable work is done in the field. Prerequisite: One semester of BIOL 0102, BIOL 0104, or BIOL 0106.

BIOL 0221 VERTEBRATE PHYSIOLOGY (4) Recognition and interpretation of the integration of function in the organ systems of the vertebrate animal in relation to environmental influences. Prerequisite: Two semesters of BIOL 0102, BIOL 0104, or BIOL 0106; two semesters of General Chemistry.

BIOL 0223 MICROBIOLOGY (4) An introductory study of the microorganisms with emphasis on Bacteriology. Consideration of clinical and environmental aspects, principles of structure, metabolism, and genetics of procaryotes. Laboratory includes basic techniques for study, enumerations and identification of bacteria. Prerequisite: Two semesters of BIOL 0102, BIOL 0104, or BIOL 0106 or one semester and permission of instructor.

BIOL 0227 COMPARATIVE VERTEBRATE ANATOMY (4) A study of the anatomy and phylogeny of the vertebrates. Lecture topics will include gross anatomy and consideration of evolutionary trends among the vertebrates. Laboratory work will consist primarily of the dissection of representative species. Prerequisite: One semester of BIOL 0102, BIOL 0104, or BIOL 0106.

BIOL 0228 BIOLOGICAL CONCEPTS (4) The study of some of the basic concepts underlying modern biology. Topics include cellular and molecular biology, organismic diversity and systematics, as well as evolution and ecology. Lecture and laboratory will include methods of inquiry and instrumentation. Prerequisites: BIOL 0102, BIOL 0104, or BIOL 0106.

BIOL 0230 EVOLUTION (3) A discussion of theories of evolution, evidence for evolution, genetic variability and changes in populations, and evolutionary patterns of the past. Prerequisite: One semester of BIOL 0102, BIOL 0104, or BIOL 0106.

BIOL 0233 ENVIRONMENTAL LEGISLATION (3) A detailed examination of the need for, and biological basis for, the standards established by existing, or proposed, federal and state legislation. The lectures, which will deal with topics such as the National Environment Policy Act and the Water Pollution Control Act, will be supplemented by analysis and discussion of environmental impact statements and court decisions dealing with each of the topics covered. Prerequisite: One semester of introductory biology and at least one of the following: BIOL 0201 or BIOL 0202 or permission of instructor.

BIOL 0235 ORNITHOLOGY (4) An intermediate course focusing on the evolution, ecology and distribution, life history and economic importance of the class Aves. Laboratories will emphasize field experience for the identification of local and migratory species, and the study of the anatomy and physiology of birds. Grades will be based upon lectures and laboratory exams. Prerequisite: One semester of biology or permission of instructor.

BIOL 0237 HUMAN ANATOMY AND PHYSIOLOGY I (4) Utilizes a general approach to the human body with emphasis on structure and function to show ways in which various organ systems interact. The integumentary, skeletal, muscular, and nervous systems and sense organs are studied. Course does not earn credit toward the biology major. Prerequisite: BIOL 0106 preferred, but BIOL 0104 is acceptable.

BIOL 0239 HUMAN ANATOMY AND PHYSIOLOGY II (4) Utilizes a general approach to the human body with emphasis on structure and function to show ways in which the various organ systems interact. The respiratory, circulatory, digestive, endocrine, and urinary systems as well as temperature regulation and fluid balance are studied. Course does not earn credit toward the biology major. Prerequisite: BIOL 0237.

BIOL 0245 HORTICULTURE (4) Instructs students in the science and art of growing, nurturing, and appreciating flowers, vegetables, ornamentals including herbs/spices. An emphasis will be given to Ethnobiology – Plants in relation to Human Culture. Prerequisite: One college level introductory biology course or permission of the instructor.

BIOL 0280 - 0289 BIOLOGY SEMINAR (1) Topics will vary depending on availability of staff and student interest. Primarily for juniors and seniors. Prerequisite: Permission of instructor.

BIOL 0290 TEACHING SECONDARY SCHOOL BIOLOGY (3) Designed to introduce the necessary skills and techniques for teaching biology in grades 9 - 12. Emphasis will be placed on the use of inquiry and those curricula developed with this approach. Topics discussed will include conditions for good biology teaching, biological goals and objectives, motivational and evaluative techniques, questioning strategies, safety in the biology laboratory, use of live organisms, choosing biology computer software, professional organizations for biology teachers and their publications. Course does not earn credit towards the biology major. Prerequisites: completion of 30 hours of the biology courses needed for certification plus EDUC 0356.

BIOL 0303 MEDICAL MICROBIOLOGY (4) A study of medically important microorganisms, including bacteria, fungi, viruses, and protozoa. The course attempts to correlate the mechanisms of pathogenicity and virulence with disease. Prerequisite: BIOL 0223

BIOL 0304 ENVIRONMENTAL MICROBIOLOGY (4) A study of the interrelationship of microorganisms with the environment. Consideration of the role of microorganisms in pollution and pollution abatement, industrial processes, agriculture, and ecology. Prerequisite: BIOL 0223 or permission of instructor.

BIOL 0305 FIELD ECOLOGY (4) An advanced course in ecology with strong emphasis on field studies and related laboratory work. Topics will include techniques in observation, collection, and identification of organisms, and the physical and biological description of natural area. Field trips required. Prerequisite: One semester of BIOL 0102, BIOL 0104, or BIOL 0106.

BIOL 0312 MAMMALOGY (4) The identification, classification, evolution, ecology, and physiology of mammals with emphasis on New England forms. Laboratory work will include an introduction to the common techniques used in mammalogy, experimentation, and identification of the skins and skulls of the local fauna. Prerequisite: Two courses at the intermediate (0200) level.

BIOL 0313 IMMUNOLOGY (4) Explores the nature of antigens and the immunological response. The immune response will be considered in relation to infectious disease, transplantations, allergies, and cancer. The laboratory includes basic serological techniques for separation of serum proteins. Prerequisite: 12 hours of intermediate-level Biology.

BIOL 0316 URBAN ECOLOGY (4) An examination of the interactions of humans and their structures (buildings, roads, etc.) and activities with the natural environment in an urban setting. Lecture topics will include urban climates, air pollution, and water supply and disposal. Laboratories will emphasize field experience. Prerequisite: One semester of BIOL 0102, BIOL 0104, BIOL 0106, or BIOL 0201.

BIOL 0322 ELECTRON MICROSCOPY (4) Consideration of research frontiers in biological fine structure will include practice in the basic techniques of the transmission electron microscope and will focus on analysis of the capabilities and limitations of the instrument. Prerequisite: BIOL 0205 or BIOL 0210.

BIOL 0326 GENETICS II (3) Includes the chemistry of DNA, RNA, and amino acids, regulation of protein and antibody synthesis, the genetic code, the concept of template surfaces, the operon theory and embryology at the molecular level. Builds upon and expands the understanding of Mendelian genetics and emphasizes bacterial and viral genetic research. Prerequisite: BIOL 0203.

BIOL 0388 BIOLOGY INTERNSHIP (1-12) A vocational experience in the area of the student's biological interest. Course is designed to provide a hands-on contact involving a variety of responsibilities and skills related to the student's specific concentration. Does not count toward 0300-level course requirement. Prerequisite: Permission of department.

BIOL 0389 TOPICS IN ENVIRONMENTAL STUDIES (1-3) A field-oriented investigation of one or more ecological communities not found in Massachusetts. The identification and ecology of the plants and animals of the community will be emphasized and the course will include lectures and/or readings in addition to an extended field trip within the community.

BIOL 0399 INDEPENDENT STUDIES (1-3) Directed study in biology with the student conducting a library, field, or laboratory research project under supervision of an instructor. A total of six credits may be applied toward the undergraduate degree. Prerequisite: Permission of instructor.

COMMUNICATION

The Department of Communication offers a BA in Mass Communication.

The department's curriculum is designed to introduce students to the study of human communication through practical learning opportunities within the context of theoretical course work. This emphasis on both professional and theoretical competencies encourages students to develop the critical perspectives, knowledge, and skills which will provide the foundation for further learning or a professional career, and enable them to better navigate the mediated environment in which we live.

Graduates of the Communication Department have found the curriculum to be a strong foundation for entering graduate programs in journalism, communication, law, and other disciplines, and for entry-level jobs with television and radio stations, video production facilities, newspapers, public relations firms, social service agencies, and a variety of business, industry, and service organizations. Graduates work as writers and journalists, broadcasters, producers and production assistants, managers, sales representatives, public relations practitioners, and creative personnel in virtually all segments of society where effective communication knowledge and skills are critical.

The campus supports an active chapter of Lamda Pi Eta, the National Honor Society in Communication, and qualified students are inducted into the society each year.

Faculty place a strong emphasis on advisement, especially because of recent changes in the structure of the major. Current and new majors should make a point of meeting their advisors frequently to check on the status of courses and to plan programs that will meet graduation requirements.

FACILITIES

The department maintains a full color television studio, portable video equipment, and linear and non-linear video editing workstations; an audio production lab; and darkroom and digitial image processing facilities. Additionally, the college supports a number of student-run media organizations, including an FM stereo radio station, a weekly newspaper, and a campus-wide cable television channel.

INTERNSHIPS

The Internship Program in the Department of Communication offers qualified students an opportunity to gain valuable experience with professional communication organizations while earning college credit. Experiences vary, depending upon regulations and restrictions that are set by each agency. The Internships are available with local, regional, national, and international agencies.

Among the available opportunities in public relations/marketing, broadcasting, and journalism are locations in Boston, New York, Hartford, Springfield; London, England; and Dublin, Ireland.

REQUIREMENTS FOR THE MASS COMMUNICATION MAJOR - 42 credits

REQUIRED MAJOR CORE - 24 credits

- MCOM 0101 Introduction to Mass Communication (3)
- MCOM 0204 Writing for the Media (3)
- MCOM 0221 Communication Theory (3)
- MCOM 0240 Communication History (3)
- MCOM 0304 Communication Ethics (3)
- MCOM 0307 Communication Law (3)
- MCOM 0312 Media Criticism (3)
- MCOM 0320 Foundations of Media Research (3)

STUDENTS MUST ELECT ONE OF THE FOLLOWING CONCENTRATIONS*:

PUBLIC AND CORPORATE COMMUNICATION - 18 credits

- MCOM 0203 Principles of Public Relations (3)
- MCOM 0303 Persuasive Communication (3)
- MCOM 0340 Organizational Communication (3)
- MCOM 0342 Public Relations Writing (3)
- Electives - Six credits (6)

RADIO/TELEVISION - 18 credits

- MCOM 0206 Introduction to Television Production (3)
- MCOM 0330 Broadcast and Cable Operations (3)
- MCOM 0332 Writing for Radio and Television (3)
- One of the following:
  - MCOM 0230 Fundamentals of Audio Production (3)
  - MCOM 0302 Seminar in TV Production (3)
- Electives - Six credits (6)

JOURNALISM - 18 credits

- MCOM 0275 Journalism I (3)
- MCOM 0326 Editing and Design (3)
- MCOM 0339 Issues in Journalism (3)
- MCOM 0346 Advanced Reporting and News Writing (3)
- Electives - Six credits (6)

COMMUNICATION AND CULTURE -18 credits

- MCOM 0222 Intercultural Communication (3)
- MCOM 0306 International Communication (3)
- MCOM 0335 Media, Technology and the Future (3)
- MCOM 0350 Film as Mass Communication (3)
- Electives - Six credits (6)

*With the approval of both their advisor and the department chair, students may design their own concentration within the major, provided that it meets specifications established by the department.

ELECTIVE LIST

- MCOM 0201 Media in the Classroom (3)
- MCOM 0202 Introduction to Photography (3)
- MCOM 0211 Stereotyping in the Media (3)
- MCOM 0242 Speaking on Radio and Television (3)
- MCOM 0309 Broadcast Journalism (3)
- MCOM 0314 Senior Thesis (3)

MCOM 0316 Special Topics in Mass Communication (3)
MCOM 0321 Political Communication (3)
MCOM 0325 Photojournalism (3)
MCOM 0336 Advanced Public Relations (3)
MCOM 0399 Independent Study (3)
ENGL 0103 Speech (3)
ENGL 0367 Film Theory and Criticism (3)
ENGL 0377 Feature Writing (3)
ENGL 0392 Business and Technical Writing (3)
ENGL 0393 History and Development of the Motion Picture (3)

Concentration requirements may also be used as electives)

NOTE: Other electives available in the College's other departments f study may be elected with the recommendation of the student's dvisor and the approval of the Department Chair.

IELD PLACEMENT COURSES

he following course requires departmental and/or faculty pproval:

MCOM 0305 Mass Communication Internship (3-15)

Credits earned for MCOM 0305 may not be substituted for the equired Major Core, Concentration Requirements, or oncentration Electives).

INOR IN MASS COMMUNICATION

tudents electing a minor in Mass Communication must complete:

Three (3) courses from the required major core
Three (3) courses with an MCOM designation

OURSES

ICOM 0101 INTRODUCTION TO MASS COMMUNICATION) Provides a comprehensive survey of mass communication. reas of discussion include the fundamental nature and function of e various forms of mass communication. Emphasis is placed on e role of media in society today.

ICOM 0201 MEDIA IN THE CLASSROOM (3) Designed to quaint the student with the characteristics of mass media as an structional tool. Major emphasis will be placed on the use of levision, film, and still photography in an educational setting. valuation of software will also be covered.

ICOM 0202 INTRODUCTION TO PHOTOGRAPHY (3) xamines various techniques and applications of photography. reas of study include camera operation, film selection, lenses, ters, lighting, composition, portraits, black and white processing d printing, and manipulation of the image. The history of the edium and its communicative properties are also discussed.

COM 0203 PRINCIPLES OF PUBLIC RELATIONS (3) xamines the principles and processes of public relations. Areas discussion include organizational aspects, the public relations vironment, fact finding, planning and programming, plementation, evaluation and audience analysis.

MCOM 0204 WRITING FOR THE MEDIA (3) Explores a variety of writing modes used in mass communication. Emphasis is on developing and refining the student's writing skills. Students will be introduced to writing techniques used in newspapers, radio, television, magazines, advertising and public relations. A prerequisite for all other MCOM writing courses. Prerequisite: ENGL 0101.

MCOM 0206 INTRODUCTION TO TELEVISION PRODUCTION (3) Serves as an introduction to video communication and the tools and techniques of television production, emphasizing studio production. Topics include lighting, audio control, camera operations, and directing. While covering the "how-to" side of production, the course emphasizes the larger theoretical and aesthetic considerations involved in the process of television production. Prerequisite: Permission of instructor.

MCOM 0211 STEREOTYPING IN THE MEDIA (3) Examines how various groups are portrayed in the media. Includes an examination of research in media stereotyping and an analysis of the roles of industry, the government and the public in formulating prevalent stereotypes used in the media.

MCOM 0221 COMMUNICATION THEORY (3) Explores a variety of perspectives from which communication may be studied. Examines different models that have been developed to conceptualize, describe, and explain the communication process. Through class discussion, reading and research, students will analyze the assumptions underlying various communication theories and examine the strengths and weaknesses of these theories. Areas of study include the social and historical context of theory development, interpersonal communication, communication in organizations, and the impact of mass communication. Prerequisite: MCOM 0101.

MCOM 0222 INTERCULTURAL COMMUNICATION (3) Provides knowledge and understanding of the interrelationships among culture, language, and communication. Students will develop skills to overcome intercultural communication barriers such as ethnocentrism, misinterpretation of verbal and nonverbal signals, problems of stereotypes/perceptions and assumptions of similarities. The course will help students become culturally sensitive communicators in intercultural situations.

MCOM 0230 FUNDAMENTALS OF AUDIO PRODUCTION (3) Examines the theoretical, aesthetic and technological principles underlying sound generation and reproduction for different media. Radio and studio technology as well as methods of on-air and studio recording production will be discussed. Practical exercises include the procedures of voice recording, sound mixing and tape editing. Prerequisite: MCOM 0101.

MCOM 0240 COMMUNICATION HISTORY (3) Studies the development of communication media from the earliest pre-alphabetic inscriptions to modern electronic message systems. The course will examine the social and cultural effects of change in communication technology over time.

MCOM 0242 SPEAKING ON RADIO AND TELEVISION (3) Directed toward those students interested in improving skills either in radio and/or television announcing. Topics include the contrasting oral approaches used in both media, interviewing styles and techniques, newscasting, commercials, public service announcements, and sportscasting. Prerequisite: MCOM 0204.

MCOM 0275 JOURNALISM I (3) An introduction to the technique of writing basic news stories. Students will also learn the basics of libel law and consider ethical issues that arise in the practice of journalism. Included is an examination of newsroom duties and responsibilities.

MCOM 0302 SEMINAR IN TELEVISION PRODUCTION (3) Designed as an extension of MCOM 0206, this course places particular emphasis on the processes of field production and postproduction. Provides students with experience in planning, producing and evaluating their own programming in several formats. Prerequisites: MCOM 0206 and permission of instructor.

MCOM 0303 PERSUASIVE COMMUNICATION (3) Activity involves students monitoring, selecting and examining advertisements, speeches, editorials, jingles, etc., for the purpose of analyzing and identifying the many techniques and types of propaganda in the media. Details the "pearls of persuasion" common to media marketing, uses historical models and current case studies on media impact, develops basic analytic skills for testing credibility of media massages. Prerequisite: MCOM 0101.

MCOM 0304 COMMUNICATION ETHICS (3) Examines ethical considerations when applied to the following areas of mass communication: laws and regulations, advertising, delivery systems, institutions, and social impact. Prerequisite: MCOM 0101.

MCOM 0305 MASS COMMUNICATION INTERNSHIP (3-15) Students, through prior arrangement, will intern at various local, regional, or national media outlets.

MCOM 0306 INTERNATIONAL COMMUNICATION (3) Explores the social, political, and cultural traits that lead to the development of media systems. Also included in the course will be discussions concerning how governments regulate media, control access, and finance operations. Examples of foreign press and broadcasts will be presented for examination. The impact of new communication technologies will be examined.

MCOM 0307 COMMUNICATION LAW (3) Examines the principles and applications of communication law. Students will be introduced to fundamentals of the American legal system and legal case studies pertinent to the mass media and related communication technologies. Particular emphasis will be placed on such issues as freedom of expression, defamation, privacy, intellectual property, information access, censorship, commercial speech, and government regulation. Prerequisite: MCOM 0101.

MCOM 0309 BROADCAST JOURNALISM (3) Emphasizes the unique style of broadcast newswriting and audio/videotape integration in news stories. Provides practice in gathering, writing, and delivering news, and gives an overview of the structure of electronic news organizations. Prerequisite: MCOM 0204 or MCOM 0275.

MCOM 0312 MEDIA CRITICISM (3) Examines mass media from a variety of critical perspectives in order to understand how criticism works as a method of inquiry. Students will learn the language of such critical approaches as semiotic analysis, genre theory, ideological analysis and cultural studies. They will be encouraged to develop an understanding of the larger application of critical methodology. Prerequisite: At least junior status.

MCOM 0314 SENIOR THESIS (3) Specialized research in mass communication. An oral defense of the final written project is required. Prerequisites: Senior status and permission of department.

MCOM 0316 SPECIAL TOPICS IN MASS COMMUNICATION (3) Examines selected communication issues, perspectives, or themes. Prerequisite: MCOM 0101 or permission of instructor.

MCOM 0320 FOUNDATIONS OF MEDIA RESEARCH (3) Explores the basic methodologies of media research including laboratory and field experiments, descriptive and analytical surveys, focus groups, field observations, case studies, and content analysis. These methodologies are then examined as they apply to print media, electronic media, advertising, and public relations research. Working with the instructor, each student will write a paper based on a research project. Prerequisite: At least junior status.

MCOM 0321 POLITICAL COMMUNICATION (3) Combines theory, research, and practical experience in order to gain an understanding of the role of mass communication in the electoral process. The course is intended to increase awareness of the problems and responsibilities involved in political and campaign communication, and to provide opportunities to apply political, organizational and communication skills. May be offered in conjunction with the Political Science Department. Prerequisites: At least junior status and MCOM 0101.

MCOM 0325 PHOTOJOURNALISM (3) Examines how photographic skills can be combined with language and graphics to observe and interpret people, things, and events for publication. Emphasis will be placed on informative, interpretive, and archival characteristics and the role of photojournalism in mass communication. Prerequisites: MCOM 0202 and MCOM 0275.

MCOM 0326 EDITING AND DESIGN (3) Relates journalistic and editorial thinking to visual thinking. Students will learn how journalistic and editorial decisions are related to publication design and how visual elements such as graphics, typography and layout contribute to the presentation of written material. Introduces computer skills for designing and editing copy and graphics, for layout of print media. Prerequisite: MCOM 0204 or permission of instructor.

MCOM 0330 BROADCAST AND CABLE OPERATIONS (3) ncludes analysis of industry and organizational structures, nanagement, audience analysis, promotion and marketing, and rogramming. Examines day-to-day practices of television and adio organizations within a broader context which emphasizes ocial, legal, economic and technological factors. Prerequisite: MCOM 0101.

MCOM 0332 WRITING FOR RADIO AND TELEVISION (3) ntensive work in the techniques of broadcast writing. Students will levelop skills in script mechanics, newswriting, commercial design nd scripting for simple dramatic programs. Prerequisite: MCOM 0204.

MCOM 0335 MEDIA, TECHNOLOGY, AND THE FUTURE (3) Examines trends in mediated communication, especially with regard o their future social, cultural, and economic effects on people. Emphasis will be placed on the merging roles and functions of mass nedia, telecommunication, and computer technologies, global ommunication, emerging multimedia systems, and technological nnovation and notions of progress. Prerequisites: MCOM 0101 nd MCOM 0240.

MCOM 0336 ADVANCED PUBLIC RELATIONS (3) Focuses on ne public relations practitioner as communications manager, mphasizing the counseling function of PR in formulating strategies nd policies in corporate communications. Prerequisite: MCOM 0203 or permission of instructor.

MCOM 0339 ISSUES IN JOURNALISM (3) Explores ontemporary issues in journalism with an emphasis on social, legal nd cultural factors. Includes discussion of news values, decision naking, media competition, technology, and community values. Prerequisite: MCOM 0346.

MCOM 0340 ORGANIZATIONAL COMMUNICATION (3) Examines basic concepts such as communication structure and functions, organizational culture, group and public communication, and communicating technology. Emphasizes the application of organizational communication theories to identifying and solving problems of communication in organizations. Prerequisite: MCOM 0101.

MCOM 0342 PUBLIC RELATIONS WRITING (3) Covers public relations planning, audience analysis, and construction of motivational messages. Students will work on a variety of assignments that emphasize the design and production of effective public relations material for press, publications, and electronic media. Prerequisites: MCOM 0203 and MCOM 0204.

MCOM 0346 ADVANCED REPORTING AND NEWS WRITING (3) Familiarizes students with advanced methods of reporting and newswriting. Students concentrate on longer and specialized forms of journalistic writing such as beat reporting, news analysis, investigative reporting and enterprise stories. Prerequisites: MCOM 0204 and MCOM 0275.

MCOM 0350 FILM AS MASS COMMUNICATION (3) Examines film from a mass communication perspective. Particular emphasis will be placed on the cultural role of film, including economic factors as well as sociological, psychological, political and critical dimensions. An analysis of the impact of technology on the industry will also be conducted. Prerequisite: MCOM 0101.

MCOM 0399 INDEPENDENT STUDY (1-3) Independent study of topics in mass communication. Prerequisite: Permission of instructor and department chair.

COMPUTER AND INFORMATION SCIENCE

The Department of Computer and Information Science (DCIS) supports two distinctly different majors - Computer Science and Computer Information Systems; the department also offers a minor in Computer and Information Science.

The Computer Science (COMS) major has as its focus the implementation and application of algorithms in the area of systmems software, networking, database and computer architecture. The program can best be described as a mixture of theoretical study combined with application-oriented work in the major areas of the discipline. Generally, graduates of this program of study are recruited for positions as systems programmers, with responsibilities in the areas of compiler, operating system or utility program design, or as scientific or technical applications programmers.

The Computer Information Systems (CIS) major has as its focus the processing of data for business or governmental use. File processing and data base management are central to CIS activity, which typically includes replication of clerical function, generation of management reports, and provision of decision support information. Graduates of this program are typically recruited as business applications programmers or as end-user computing support personnel.

The COMS program of study is based on the Association for Computing Machinery's latest curriculum recommendations for computer science, and the CIS program of study is based on the Data Processing Management Association's latest curriculum recommendations for computer information systems. Both the COMS and CIS programs of study have undergone major curricular revision recently.

The computer hardware and software available to COMS and CIS majors at Westfield State College is extraordinary for an institution of its size. Minicomputer, personal computing and workstation environments, including equipment from DEC and various microcomputer vendors, are available to students. Languages such as BASIC, C, C++, COBOL, FORTRAN, Pascal, RPG and Visual BASIC; assembly languages including BAL, Intel, and VAX; and operating systems and environments such as DOS and Windows, UNIX, and VMS are all supported. Access, dBASE, Excel, Lotus 1-2-3, Word, WordPerfect, PROCOMM, and SPSS represent only a sample of the numerous major application packages available. Various LANs provide on-campus connectivity, and Westfield State College's standing as a subdomain on the Internet provides wide-area connectivity and data access. All major equipment on campus is connected through a campus-wide network; thus most of the computing resources are available from the central computing labs and are also accessible via modem.

REQUIREMENTS FOR THE COMPUTER SCIENCE MAJOR

The COMS program of study requires 52-53 credits in the major, to include 39 credits of direct CAIS study, and 13-14 credits in the supporting areas of mathematics and physical science. The requirements are as follows:

Direct CAIS Study:

CAIS 0102	Computer Science Principles	(3)
CAIS 0120	Computer Science/Program Design	(4)
CAIS 0206	Assembly Language Programming	(3)
CAIS 0302	Computer Science Seminar	(1)
CAIS 0305	Elemenst of Systems Programming	(3)
CAIS 0310	Database Management	(3)
CAIS 0320	Data Structures/Algorithm Analysis	(4)
CAIS 0330	Computer Architecture	(3)
CAIS 0339	Operating Systems	(3)
CAIS 0351	Intro to the Theory of Computation	(3)
CAIS 0363	Computer Science Senior Project	(3)
Two 0300-level CAIS courses (excluding CAIS 0353, 0396, 0397)		(6)

Mathematics and Physical Science support areas study:

MATH 0105	Calculus I	(4)
MATH 0118	Linear Algebra	(3)
PHYS 0137	Introduction to Digital Electronics	(3)
One of the following five courses:		
MATH 0106	Calculus II	(4)
MATH 0201	Calculus III	(4)
MATH 0333	Applied Statistics and Experimental Design	(3)
MATH 0334	Operations Research	(3)
MATH 0335	Intro to Numerical Methods	(3)

REQUIREMENTS FOR THE COMPUTER INFORMATION SYSTEMS MAJOR

The CIS program of study requires 66-68 credits in the major, to include 36-38 credits of direct CAIS study, 21 credits in business background courses, and 9 credits in supporting liberal arts course work. The requirements are as follows:

Direct CAIS Study:

CAIS 0125	Intro to Computer Information Systems	(3)
One of the following Algorithmic Language Electives:		
CAIS 0117	Intro to Computer Programming (BASIC)	(3)
CAIS 0120	Computer Science/Program Design	(4)
CAIS 0131	The C Programming Language	(3)
CAIS 0205	Introduction to COBOL	(3)
CAIS 0210	Systems Development for Microcomputers	(3)
CAIS 0308	Advanced COBOL/File Processing	(3)
CAIS 0310	Database Management	(3)
CAIS 0346	Systems Analysis and Design	(3)
CAIS 0353	Applied Development Project	(3)

One of the following CAIS courses (Tier 2 electives):

CAIS 0206 Assembly Language Programming	(3)
CAIS 0211 RPG Programming	(3)
CAIS 0212 Visual Programming Concepts	(3)
CAIS 0224 Advanced Microcomputer Applications	(3)

Two of the following CAIS courses (Tier 3 electvies):

CAIS 0290 Computer Security	(3)
CAIS 0307 Organization of Programming Languages	(3)
CAIS 0312 End-User Computing: An Overview	(3)
CAIS 0315 Multimedia Presentation Technology	(3)
CAIS 0320 Data Structures/Algorithm Analysis	(4)
CAIS 0337 Networking and Client/Server Computing	(3)
CAIS 0341 Computer Graphics	(3)
CAIS 0347 Telecommunications	(3)
CAIS 0350 Artificial Intelligence	(3)
One additional Tier 2 or Tier 3 elective from the lists above	(3)

siness Background Study:

MGMT 0104 Principles of Accounting I	(3)
MGMT 0105 Principles of Accounting II	(3)
MGMT 0221 Intro to Business Management	(3)
MGMT 0250 Quantitative Approaches to Business Decisions	(3)
MGMT 0308 Organizational Development and Behavior	(3)

Two of the following three courses:

MGMT 0207 Financial Management	(3)
MGMT 0220 Production/Operations Management	(3)
MGMT 0231 Marketing Management	(3)

signated CORE and/or Liberal Arts Courses:

ECON 0101	Principles of Macroeconomics	(3)
MATH 0108	Elementary Statistics	(3)
ENGL 0392	Business and Technical Writing	(3)

D-USER COMPUTING CONCENTRATION

End-User Computing Concentration will be satisfied if the lent includes both CAIS 0312 and CAIS 0337, as well as one of IS 0212 and CAIS 0224 among the courses selected to complete Computer Information Systems major.

MPUTER AND INFORMATION SCIENCE MINOR

minor in Computer and Information Science is available to lents who are not majoring in Computer Science or Computer rmation Systems. The dramatically increasing pervasiveness omputers in society makes this an attractive adjunct for students numerous disciplines. It requires that a student complete 18 dit hours of CAIS-labeled course work. The minor is ructured in that any CAIS-labeled course may be applicable to program of study; however, a student wishing to receive a nputer and Information Science minor must formally declare h intent no later than the completion of 12 credit hours of IS-labeled course work that will be applied toward the minor program of study so that a DCIS advisor may be assigned to the student and the remainder of the program may be planned and approved in conjunction with the advisor.

TRANSFER STUDENT POLICY

Any transfer student shall be required to take at least 12 credit hours of Westfield State College CAIS-labelled coursework, as well as meet any other programmatic requirements that may be in effect at the time and/or applicable to the student, in order to receive a Westfield State College degree in Computer Science or Computer Information Systems.

COURSES

CAIS 0101 COMPUTERS IN SOCIETY (3) An introduction to the nature and function of computers, with emphasis on the social, intellectual, legal and ethical issues involved with their use in contemporary society. Includes a survey of computing technology to the extent necessary to enable the student to identify, understand and evaluate computer-related issues such as privacy and databases, data matching, automation and dehumanization, worker displacement and computer security, fraud and evolving moral and legal concerns associated with modern technological society.

CAIS 0102 COMPUTER SCIENCE PRINCIPLES (3) Provides an overview of the fundamental principles of computer science. Topics covered include data representation, storage and manipulation techniques; an introduction to computer architectures and operations; an investigation of useful data structures; and a review of file organization and database models. The development and analysis of elementary algorithms, employing modular design programming language techniques, are used to demonstrate a number of the course concepts. Prerequisite: High school math through Algebra II or MATH 0104.

CAIS 0117 INTRODUCTION TO COMPUTER PROGRAMMING (BASIC) (3) An introduction to basic concepts and techniques of computer programming for the student not majoring in computer science. Topics to be studied include programming in BASIC, the solution of a variety of problems with the computer, and applications of computer programming and modeling to non-mathematical fields.

CAIS 0120 COMPUTER SCIENCE/PROGRAM DESIGN (4) A theoretical introduction to computer science and program design for majors. A current high level programming language is covered in its entirety, to include sets, records, pointers, and external files. Emphasis is placed on structured programming techniques and common algorithms. Fundamental data structures are introduced. Extensive programming is required of the students.

CAIS 0124 THE PERSONAL COMPUTER (3) An introduction to microcomputers from the user's viewpoint. A survey of typical microcomputer hardware, to include capabilities, configurations and costs, familiarity with typical operating systems, and an overview of typical personal productivity software packages, including, but not limited to, word processing, spreadsheet and data base systems. Students will have an opportunity to apply the microcomputer to projects in their own disciplines.

CAIS 0125 INTRODUCTION TO COMPUTER INFORMATION SYSTEMS (3) This course provides an introduction to computer systems and data processing concepts, with special emphasis on the applications of computers in business organizations. Included are an overview of information systems concepts, a survey of computer hardware, software, and programming languages; an introduction to computer system configurations to include operating systems and data communications; an introduction to systems analysis and design, and a comparison of computer based data processing, management information, and decision support systems. A substantial portion of the course will be a microcomputer-based, hands-on component that will have as its focus spreadsheet applications.

CAIS 0131 THE C PROGRAMMING LANGUAGE (3) An intensive course intended for those possessing a familiarity with a high-level programming language. The course begins with an introduction of lexical components of the language, operators, and data types, and progresses to statements, flow of control, pointers and arrays. Functions, string processing, and file input/output are also discussed. Students are expected to write several nontrivial application programs that exploit the inherent powers of the C language. Prerequisite: Knowledge of a high-level programming language.

CAIS 0200 PROGRAMMING LANGUAGE MODULE (1) Several one-credit courses have been developed to expose the student to selected software. Past modules have included LISP, SNOBOL4, GPSS, APL, PL/1, C++, and Visual BASIC. Offerings are based on current interest. Several programming assignments are associated with each module. Prerequisite: Knowledge of a high-level programming language.

CAIS 0205 INTRODUCTION TO COBOL (3) Provides an introduction to the COBOL programming language and structured programming principles. Generally accepted conventions for data manipulation, arithmetic operations, report generation, single-dimension table processing, data validation, and elementary file processing are covered. Extensive programming experience in a current COBOL environment, utilizing common business data processing applications, is provided. Prerequisite: CAIS 0125

CAIS 0206 ASSEMBLY LANGUAGE PROGRAMMING (3) An in-depth study of the internal instructions, organization, and operations of the modern digital computer. The host computer will vary from semester to semester as will the assembly language for this course. A second computer system may also be explored at the assembly language level. Prerequisite: Knowledge of a high level programming language.

CAIS 0210 SYSTEMS DEVELOPMENT FOR MICROCOMPUTERS (3) A study of current development strategies and techniques for microcomputer-based information systems. A dBASE-standard environment, to include application development, relational database design and implementation, screen and report procedures, and code generation will serve as the primary application development tool, although other platforms will be discussed as appropriate. A study of standard microcomputer operating system commands and techniques, along with selected utilities supportive of microcomputer application development, will also be undertaken. An IBM-compatible context will be utilized. Prerequisites: CAIS 0124, CAIS 0125, or MGMT 0107 and knowledge of a high level programming language.

CAIS 0211 RPG PROGRAMMING (3) An introduction to programming in a current version of the RPG language. Emphasis is on the application of RPG to real-world problems. Most of the features available in RPG will be covered during the course, including the fixed logic cycle of RPG. The complete programming process from problem identification through program design, coding, testing, implementation, and documentation will be experienced. A comparison between RPG and other higher-level languages will be made, and the role of RPG in the library of languages will be emphasized.

CAIS 0212 VISUAL PROGRAMMING CONCEPTS (3) Covers programming conventions and methods within a windowing environment. Graphical user interfaces and object-oriented programming software applications will be developed using current software development tools. Forms, events, predefined objects, and database management will be discussed. Prerequisite: Knowledge of a high-level programming language and familiarity with a windowing environment.

CAIS 0220 COMPUTER SIMULATION (3) An introduction to solving real-world problems using computer simulation. The student will use high-level software to develop models. Elements of computer use will be taught as necessary. Several small projects will be modeled, simulated and validated. The emphasis is on critical thinking, abstracting from real situations and interpretation of results. Prerequisite: MATH 0108 or equivalent statistics course.

CAIS 0224 ADVANCED MICROCOMPUTER APPLICATIONS (3) An advanced experience with current microcomputer-based productivity software. The course is intended for students who have a working knowledge of microcomputer software and applications. The course provides in-depth experience with advanced spreadsheet topics, as well as other topics such as advanced microcomputer operating system facilities, presentation graphics, applications integration, and communications. Prerequisite: CAIS 0124, CAIS 0125, MGMT 0107, or equivalent.

AIS 0280 SPECIAL TOPICS IN COMPUTER AND NFORMATION SCIENCE (1) A study of a topic of special terest to COMS or CIS majors that is not covered in a course rrently in the Bulletin. Topics generally involve new, current or volving issues, and offerings depend on student and instructor terests. May be repeated for credit if topic differs. Prerequisite: ermission of instructor.

AIS 0290 COMPUTER SECURITY (3) The security of computer stems will be examined from three perspectives: risk entification, risk evaluation, and risk control. Risk identification ill be explored in terms of the "onion skin" approach, methods of sk identification, and computer related fraud. Risk evaluation will volve an exploration of probability and impact and approaches to sk evaluation; risk control will focus on such issues as strategy, st-effectiveness, and contingency planning. Prerequisite: CRJU 07, MGMT 0104 or knowledge of a high level programming nguage.

AIS 0301 COMPILER DESIGN (3) An introduction to the inciples and techniques of compiler writing. Among the topics scussed are lexical and syntactic analysis, basic techniques of rsing (top-down and bottom-up), syntax-directed translation, n-time environments, intermediate code generation, code timization and object code generation. Compiler writing tools ch as LEX and YACC or SCANGEN and LLGEN are utilized. erequisites: CAIS 0304 or 0305 and CAIS 0320.

AIS 0302 COMPUTER SCIENCE SEMINAR (1) Focuses on rrent topics in computer science and allied fields. By means of lividual presentations, group, or panel discussions, a variety of pects and issues of this discipline will be explored. This course n be repeated for credit (up to a maximum of four credits). erequisite: Junior or Senior standing and permission of instructor r non-COMS/CIS majors.

AIS 0305 ELEMENTS OF SYSTEMS PROGRAMMING (3) An roduction to a modern operating system used for systems ogramming (such as UNIX) and its utilities. Topics resentative of those which might be chosen by the instructor as plication endeavors include design of a small compiler/interpreter ng compiler generating tools, network utilities using TCP/IP or er appropriate protocols, graphics utilities using systems such as Windows, or device drivers. Prerequisite: CAIS 120 or uivalent.

IS 0307 ORGANIZATION OF PROGRAMMING NGUAGES (3) A study of computer programming languages m the following points of view: specification, programming radigms, implementation, and actual performance. Some oratory exercises for the various languages will be given as ources permit. The languages will be chosen by the instructor. requisite: CAIS 0320

CAIS 0308 ADVANCED COBOL/FILE PROCESSING (3) A successor to CAIS 0205 - INTRODUCTION TO COBOL, this course is designed to provide the student with a proficiency in advanced file processing and data structure techniques through COBOL implementation. A major portion of the course is devoted to the theory and practice of file processing as it relates to sequential, relative and indexed file structures and manipulations. Multi-level table processing, sorting, and subprogramming are also considered. Using a current COBOL environment, students are required to design and implement programming projects of considerable complexity. Prerequisite: CAIS 0205.

CAIS 0310 DATABASE MANAGEMENT (3) An introductory course in database, to include fundamental concepts, design and underlying theory. Data structures supportive of the database environment, along with rationale, objectives, and design and data modeling concepts will be considered. The relational model will be emphasized, to include relational operations, normalization and anomalies, and data definition, manipulation and query techniques. Technical aspects of database administration, such as security, recovery and concurrency will also be considered. Prerequisite: CAIS 0210 or CAIS 0320

CAIS 0312 END-USER COMPUTING: AN OVERVIEW (3) An overview of end-user computing, to include the history and evolution of end-user computing, the identification of various end-user types, and an examination of end-user computing applications, risks and support activities. The organizational context of end-user computing, and particularly the concept and role of the information center, will be considered in the development of strategic planning for end-user computing. Prerequisite: CAIS 0346 or permission of instructor.

CAIS 0315 MULTIMEDIA PRESENTATION TECHNOLOGY (3) A hands-on introduction to developing interactive presentations. Students will use authoring software to design and implement electronic presentations which incorporate music, voice, text, graphics, and video. The course provides an overview of available multimedia technology and demonstrates how that technology can be used to enhance presentations of services and resources associated with libraries, businesses and educational institutions. Prerequisite: Knowledge of a high-level programming language, or permission of instructor.

CAIS 0320 DATA STRUCTURES/ALGORITHM ANALYSIS (4) A study of fundamental algorithms which act on data structures, along with analysis of such techniques. This course requires extensive programming by the student, and provides the student with a sound theoretical background for applications to database management, operating systems, and compiler construction. Topics covered include stacks, queues, linked lists, tree structures, sorting and searching techniques. Prerequisites: CAIS 0102 and CAIS 0120.

CAIS 0330 COMPUTER ARCHITECTURE (3) Topics include: machine instruction sets, addressing schemes, control units (hardwired and microprogrammed), memory organization, storage mechanisms, I/O processing (data paths and interrupts), discussions of state-of-the-art computer architectures. The student will be introduced to advanced computer architectures centering around parallel processing, pipelining, array processors, and multiprocessor systems. Time permitting, additional concepts will be covered including RISC architectures, connection machines, data flow, and VLSI. Prerequisites: CAIS 0206 and PHYS 0137.

CAIS 0337 NETWORKING AND CLIENT/SERVER COMPUTING (3) An introduction to networking and client/server computing through the utilization of a local area network. Topics will include basic network physical design, standard network architectural models, commonly used data transmission protocols, and network system administration. Principles of client/server computing will be introduced and applied through the development and implementation of a client/server application. Corequisite: CAIS 0310 or CAIS 0320.

CAIS 0339 OPERATING SYSTEMS (3) Topics to be discussed include I/O programming (microprogramming and device handling routines), memory management (including real and virtual memory management), processor management (including interrupt processing), concurrent programming, file systems, and secondary memory management. Students will be required to complete one or more large programming projects. Time permitting, specific O.S. case studies will be done. Prerequisites: CAIS 0305, CAIS 0320 and CAIS 0330.

CAIS 0341 COMPUTER GRAPHICS (3) Topics in computer graphics software and hardware such as microcomputer graphics, graphics software standards, windowing, graphical I/O devices, and low-lever graphics algorithms. As time permits, high-level graphics such as CAD systems, scientific visualization systems, solid modeling, color, shading, and computer vision may be discussed. Prerequisite: CAIS 0120

CAIS 0346 SYSTEMS ANALYSIS AND DESIGN (3) An overview of the Systems Development Life Cycle. In addition, the most popular tools and methodologies for system analysis, documentation, design, and development. Through the use of individual projects and exercises or a semester-long case study, students will do major portions of the analysis and design of an information system of moderate complexity. Students will become familiar with traditional approaches to analysis and design as well as at least one of the popular structured methodologies in current use. Prerequisite: Knowledge of a high level programming language.

CAIS 0347 TELECOMMUNICATIONS (3) A course dealing with an overview of the telecommunications industry concentrating on computer networks and how they operate. Telecommunication hardware (modems, multiplexers, optic fiber, coaxial cable, etc.) is discussed. Local Area Networks, ISDN, and Wide Area Networks are covered. The ISO OSI network model is reviewed and communications protocols including Aloha, Slotted Aloha, Xmodem, BSC, and HDLC are discussed and analyzed. Prerequisites: MATH 0104 and knowledge of a high level programming language.

CAIS 0350 ARTIFICIAL INTELLIGENCE (3) A survey of artificial intelligence, including AI languages, applications of data structures, interaction with the external environment, and expert systems. Prerequisite: CAIS 0320.

CAIS 0351 INTRODUCTION TO THE THEORY OF COMPUTATION (3) Presentation of topics of current theoretical interest in computer science chosen from among grammars, finite automata, Turing machines, cellular automata and other models of computers; computability theory; and computational complexity. Prerequisites: CAIS 0120 and MATH 0118.

CAIS 0353 APPLIED DEVELOPMENT PROJECT (3) A practicum in systems development, utilizing real projects or detailed cases. A team approach is used to analyze, design, document, and develop realistic computer-based information system. Students are required to apply concepts, principles, problem-solving strategies, techniques, and tools learned in previous computer science and business courses in developing the system. Prerequisite: CAIS 0346.

CAIS 0363 COMPUTER SCIENCE SENIOR PROJECT (3) A capstone project experience for computer science majors utilizing theoretical principles, problem solving strategies, tools, and techniques from previous computer-related study. The student will be required to propose, develop, and implement a computer-based solution of significant complexity for a project, or research activity, approved by the instructor. Potential endeavors may include, but are not limited to, production of a compiler, the design and development of a database system application, the formulation of a case-based reasoning system, the implementation of image processing techniques, or creation of a client/server application. Prerequisites: CAIS 0320 and senior standing in Computer Science.

CAIS 0380 SPECIAL TOPICS IN COMPUTER AND INFORMATION SCIENCE (3) A study of an advanced topic of special interest to COMS or CIS majors that is not covered in a course currently in the Bulletin. Topics generally involve new, current or evolving issues, and offerings depend on student and instructor interests. May be repeated for credit if topic differs. Prerequisite: Permission of the instructor.

CAIS 0396 COMPUTER SCIENCE INTERNSHIP A (3) An on-campus internship experience for computer science and computer information systems majors. This experience will involve 8-10 hours per week. Prerequisite: Permission of instructor.

CAIS 0397 COMPUTER SCIENCE INTERNSHIP B (3) An internship experience which may be on or off campus depending on availability. Students might participate in a major system design project on-campus or might be interning at a business location in the Greater Springfield Area. Prerequisite: Permission of instructor.

Note: "Knowledge of a high-level programming language" may be satisfied by any of CAIS 0117, CAIS 0120, CAIS 0131, CAIS 0205, or comparable previous programming experience.

CRIMINAL JUSTICE

The goal of the Criminal Justice program is to develop among present and future employees of the criminal justice system and students of the liberal arts an increased awareness of the roles of law enforcement, courts, and corrections, and a better understanding of the social, political and economic forces which influence that system.

The course of study consists of an extensive overview of the criminal justice system and an intensive examination of each of the major components of the system. The program is designed to serve both those students who may elect to enter the criminal justice profession immediately upon graduation and those students who desire to pursue graduate work. Criminal Justice majors are able to apply for an internship and work in a criminal justice related agency or organization during their senior year.

REQUIREMENTS FOR CRIMINAL JUSTICE MAJORS

The Criminal Justice major consists of 39 credits. All students must take at least 21 Criminal Justice credit-hours at Westfield State College. There are five required courses in the major.

CRJU 0101 Introduction to Criminal Justice	(3)
CRJU 0201 Law Enforcement and Society	(3)
CRJU 0202 Introduction to Corrections	(3)
CRJU 0205 American Judicial System	(3)
CRJU 0331 Research Methods	(3)

These three-credit courses amount to 15 of the 39 required credits in Criminal Justice. Students choose electives in the major to complete the remaining 24 credit-hours.

COURSES

CRJU 0101 INTRODUCTION TO CRIMINAL JUSTICE (3) A survey of the American Criminal Justice System as a socio-political institution. The police, criminal courts, and correctional and rehabilitative endeavors will be analyzed within the framework of empirical research from the perspectives of the social sciences. Required of all Freshmen in the Criminal Justice major.

CRJU 0201 LAW ENFORCEMENT AND SOCIETY (3) The structure and function of law enforcement agencies in contemporary society will be analyzed in their sociological context. Particular emphasis will be placed on the role of the police within the framework of the Criminal Justice System. Prerequisite: CRJU 0101 or its equivalent.

CRJU 0202 INTRODUCTION TO CORRECTIONS (3) An in-depth examination of the American Correctional System. Traditional punitive measures will be analyzed in relation to current reintegration alternatives. Prerequisite: CRJU 0101 or its equivalent.

CRJU 0203 CRIMINAL LAW (3) The function of criminal law and its relationship to various criminal offenses, including crimes against persons and crimes against property. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0204 PRINCIPLES OF CRIMINAL INVESTIGATION (3) The science of investigation of crimes, laboratory techniques, interpretation of data, and elements of specific crimes. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0205 AMERICAN JUDICIAL SYSTEM (3) An examination of the development of law and the American legal system. The problems related to the meaning and uses of law; the organizational hierarchy of the courts; and the role of the courts in the criminal justice system. Prerequisite: CRJU 0101 or its equivalent.

CRJU 0206 CRIME IN THE CITY (3) An examination of the distribution and crime patterns within an urban area. Particular emphasis will be placed on theoretical and environmental causes of urban crime. Additionally, this course will attempt to focus on urban policies that address the problems of crime in the city. Analysis of victim-precipitated crime, concentric zone theory, and urban migration, will be among the issues considered. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0207 ISSUES IN CONTEMPORARY SECURITY (3) An overview of security systems applicable to contemporary industrial and commercial demands. Losses through physical, technological, and personnel hazards are viewed as preventable phenomena if vulnerabilities are recognized and ameliorative measures taken. Counter-measures will be weighed within the framework of loss criticality and cost of effectiveness. Prerequisite: CRJU 0101 or its equivalent.

CRJU 0301 JUVENILE PROCEDURE (3) An examination of the underlying philosophy of juvenile justice and procedures used to process a juvenile alleged to be delinquent through the juvenile justice system. The course will focus on the differences between juvenile procedure and adult criminal procedure by examining recent court decisions and statutory law pertaining to juveniles. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205 or their equivalent.

CRJU 0303 PATTERNS OF CRIMINALITY (3) The U.S. Department of Justice Index Crimes will be studied along with other crimes, which will be selected on the basis of their contemporary administrative significance and their effect on the criminal justice system in particular. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0304 PREVENTION AND CONTROL (3) An in-depth examination of the criminal justice system and the efforts it has exerted in an attempt to prevent and control criminal behavior. Course will focus on the traditional methods including probation and parole as well as recent trends in crime control and prevention: the utilization of community based treatment programs and attempts by many criminal justice agencies to avoid the processing of individuals through the system. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0305 PRINCIPLES OF EVIDENCE AND PROOF (3) The study of the different types of evidence, relevance, the hear-say rule and its exceptions, impeachment and cross-examination and privileged communications. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0306 CONTEMPORARY PROBLEMS IN CORRECTIONS (3) An intensive analysis of selected problems in institutional and community corrections. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0307 CONTEMPORARY PROBLEMS IN LAW ENFORCEMENT (3) An intensive analysis of selected problems in American law enforcement and police-community relations. A major research paper is required. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0308 RIGHTS OF THE CONVICTED (3) An examination of the legal rights of the individual who has been convicted of a crime. This lecture course will focus specifically on both federal and state laws and court decisions dealing with the legal rights of probationers, confined prisoners, and parolees in the American criminal justice system. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0310 ORGANIZED AND WHITE COLLAR CRIME (3) The methods through which organized crime influences and, in many instances, controls entire communities. Traditional types of crime heavily influenced by organized crime, such as loan sharking and gambling, will be analyzed in an effort to demonstrate the basis of power and wealth of organized crime in the United States. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0311 VICTIMOLOGY (3) Criminal-victim relationships, with emphasis on victim-precipitated crimes and compensation to victims. Consideration is given to: concept and significance of victimology; time, space, sex, age, and occupational factors in criminal-victim relationships; victims of murder, rape, other violent crimes and property crimes; victim typology; the public as victim; restitution and compensation to victims. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0312 WOMEN AND THE LAW (3) An examination of the female and her involvement with the legal processes in the United States. Attention will be focused on the female as the offender and the victim. Analysis of the various theoretical approaches to understanding the female offender will be presented in addition to exploration of the recent literature on the female and the criminal justice system. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0313 QUANTITATIVE METHODS IN CRIMINAL JUSTICE (3) Examines the relationship and application of statistical techniques to theory building and concept construction. Gives an overview of statistical methods and their appropriateness for research in criminal justice. In addition, various computer-oriented analytical tools and data processing systems available to the criminal justice practitioner will be surveyed. Prerequisite: CRJU 0331 or its equivalent.

CRJU 0314 SEMINAR ON OFFENDER REHABILITATION (3) The "nothing works" doctrine generated by the controversial Martinson Report has resulted in considerable confusion regarding the effectiveness of corrections programs designed to elicit specific behavioral changes on the part of the correctional client. This course will thoroughly examine the debate surrounding the "nothing works" doctrine and present those methods of rehabilitation that have proven effective in the treatment of offenders. Probation, parole and programs for the incarcerated offender will be the primary focus of this course. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0315 STRESS AND THE CRIMINAL JUSTICE SYSTEM (3) An intensive examination of the interpersonal stresses indigenous to Criminal Justice practitioners. Stress management within Criminal Justice organizations will be considered in terms of the administrative and functional problems encountered. Special attention will be given to the criminal justice environment which deals with social service and control on a twenty-four hour basis. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0316 CIVIL LIABILITIES OF CRIMINAL JUSTICE PROFESSIONALS (3) The civil liability for harm inflicted on another. Topics to be considered will include: intentional torts such as assault, battery, and false imprisonment; negligence; torts of strict liability; libel, slander and defamation; liability of owners and occupiers of land; and the liability of state and federal employees for harm caused in their respective professional capacities. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0317 EVOLUTION OF AMERICAN LAW ENFORCEMENT (3) A critical analysis of the contemporary American law enforcement establishment in relation to the evolutionary forces that have contributed to its development. Excepting modern technology, the law enforcement function tends to run in predictable cycles. Traditional in origin, these cyclical phenomena may be observed in the patterns of older societies. Reflections of the past are deemed vital to a more objective and well-rounded perception of current issues.

CRJU 0318 SPECIAL TOPICS IN CRIMINAL JUSTICE (3) Contemporary analysis of topical criminal justice problems or programs of special interest because of state, federal or international events. The instructor will select an area of study which merits special investigation because of contemporary factors in the external environments in which the criminal justice system must operate. The instructor will relate the special topic to traditional materials, but will emphasize how current circumstances give it a unique nature. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0319 ECONOMIC CRIME (3) The manner in which professionals in business are able to manipulate and control computer systems and engage in various types of white collar crime will be examined. Emphasis will be placed on consumer and computer fraud, embezzlement, and particular attention will be focused on corporate crime and on the criminal justice system's attempts to identify, prevent, and control it. Prerequisite: CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0320 CRIMINAL PROCEDURE: FOURTH AMENDMENT RIGHTS OF THE ACCUSED (3) A study of due process, the exclusionary rule, and the legal problems associated with arrests, searches, and seizures. Prerequisite: CRJU 0205 or its equivalent, or permission of instructor.

CRJU 0321 CRIMINAL PROCEDURE: FIFTH AND SIXTH AMENDMENT (3) A study of the legal problems associated with interrogations, confessions, entrapment, lineups, and wiretapping and electronic surveillance. Prerequisite: CRJU 0205 or its equivalent or permission of the instructor.

CRJU 0330 CRIMINAL JUSTICE ADMINISTRATION (3) An examination of organizational theory and its applications within criminal justice agencies. Consideration of the principles of organization and methods adopted by progressive agencies to insure effective criminal justice service to the community will be reviewed. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202,. CRJU 0205, or their equivalent.

CRJU 0331 RESEARCH METHODS IN CRIMINAL JUSTICE (3) An introduction to scientific methodology as related to criminal justice. The course will focus on the development of hypotheses, data collection, data analysis and hypothesis verification. Attention is also given to basic statistical techniques appropriate for criminal justice research. Prerequisite: CRJU 0101, CRJU 0201, CRJU 0202, CRJU 0205, or their equivalent.

CRJU 0332 HOMICIDE (3) An in-depth discussion of the legal definitions of and rationalizations for homicide. The statistical aggregates of those occasions will be considered in terms of demographic and ethno-cultural phenomena. The murder episode is examined within the context of morality. Prerequisite: CRJU 0101 or permission.

CRJU 0333 TERRORISM (3) This course will explore the development of terrorism as a form of crime. Topics to be studied include major terrorist groups and their strategies, tactics and targets, jurisdictional issues, anti- and counter-terrorist operations, federal law enforcement, and future trends in terrorism. Prerequisites: CRJU 0101, CRJU 0201, CRJU 0202.

CRJU 0334 DRUGS AND CRIME (3) This course will present an overview of the problems of drug-related crime in contemporary society. Specific drug substances are discussed, as well as legal, cultural, and social factors in connection with drug law enforcement. Prerequisites: CRJU 0101, CRJU 0201, CRJU 0202.

CRJU 0336 SUPERVISORY PRACTICES IN LAW ENFORCEMENT (3) An examination of supervisory practices and principles utilized in public safety agencies; problems confronting the newly promoted employee; theories of organization and leadership; motivation of subordinates; effective communication; training; performance evaluation; disciplinary processes. Prerequisite: Junior status. (Pending final governance approval)

CRJU 0340 - 349 SPECIAL TOPICS IN CRIMINAL JUSTICE (3) An in-depth study of a limited or specialized area within the criminal justice field. Course content will vary according to the area of specialization of the instructor and the interest of the students. May be repeated if course content differs.

CRJU 0384 CASE STUDY SEMINAR: ADULT OFFENDERS (3) An eight-week class examining the life history of specific adults convicted of committing crimes, their attitudes, associates, criminality, and interaction with the criminal justice system. Each student will concentrate on a different individual. Connections between the case material and principal theories about the origins of crime, intervention strategies, and criminal justice institutions also will be considered. A field experience will normally be provided. Prerequisite: CRJU 0205, or permission of instructor and junior status or better. Cannot be taken concurrently with CRJU 0385.

CRJU 0385 CASE STUDY SEMINAR: JUVENILE OFFENDERS (3) An eight-week class examining the life history of specific juveniles implicated in one or more delinquent acts, their attitudes, associates, delinquency, and interactions with the criminal justice system. Each student will concentrate on a different individual. Connections between the case material and principal theories about the origins of crime, intervention strategies, and criminal justice institutions also will be considered. A field experiences will normally be provided. Prerequisite: CRJU 0205 or permission of instructor and junior status or better. Cannot be taken concurrently with CRJU 0384.

CRJU 0398 FIELD PRACTICUM IN CRIMINAL JUSTICE (3-6) The field practicum class involves the student's participation in the day-to-day functions of a publicly funded criminal justice agency. The course is designed to provide students with an opportunity to translate the theoretically oriented classroom experience into practical application. Consists of either 8 weeks of full-time placement or 16 weeks of part-time placement. Prerequisite: Permission of instructor.

CRJU 0399 INDEPENDENT STUDY (3-6) Individual research and independent study related to a particular aspect of criminal justice that is of special interest. Permission of instructor.

ECONOMICS AND MANAGEMENT

The Department of Economics and Management offers two majors, leading to a B.A. in Economics or to a B.S. in Business Management.

Economics is a problem-based social science dealing with the relevant contemporary issues of unemployment, inflation, monopoly, pollution, income distribution, and productivity. Economics utilizes models, or simplifying constructs, for organizing facts in an effort to develop policy alternatives. The strength of economics is its ability to provide a logical, ordered way of looking at various problems and issues.

Management is the applied science of decision making. Management principles serve as guidelines to more effective and efficient performance in organizations. Business Management offers a clear direction in the pursuit of knowledge in producing, directing, financing, and promoting products and services.

Varied in their objectives and flexible in orientation, the Economics and Management programs are geared to prepare undergraduates for successful entry into the job market. In addition, the Economics program gives students the analytical foundation for graduate study in economics, business administration, public administration, urban planning, and related disciplines. The Management program provides a sound background in the areas of accounting, finance, management, marketing, and labor relations. This program builds a solid framework for graduate work in business administration, law, public administration, and other fields.

The department's internship program is intended to allow students to apply analytical classroom material to practical experience. Acceptance into an internship program is reserved for second semester juniors and seniors with demonstrated academic competence.

REQUIREMENTS FOR ECONOMICS MAJORS

The department accepts as economics majors only those students who have demonstrated a basic level of ability and interest in economics.

REQUIRED COURSES - 21 credits

ECON 0101 Principles of Macroeconomics	(3)
ECON 0102 Principles of Microeconomics	(3)
ECON 0201 Microeconomic Theory	(3)
ECON 0202 Macroeconomic Theory	(3)
ECON 0204 Introduction to Mathematical Economics	(3)
MATH 0108 Elementary Statistics	(3)
MATH 0115 Mathematics for Business and Social Sciences	(3)

ELECTIVES FOR THE ECONOMICS MAJOR - 15 credits

ECON 0300 Money and Banking	(3)
ECON 0301 State & Local Finance	(3)
ECON 0302 Economic History of United States	(3)
ECON 0303 Economics of Development	(3)
ECON 0304 Urban Economics	(3)
ECON 0305 Introduction to Econometric Methods	(3)
ECON 0306 Managerial Economics	(3)
ECON 0311 Economic Fluctuations and Business Forecasting	(3)
ECON 0312 Labor Economics	(3)
ECON 0314 Industrial Organization	(3)
ECON 0315 Public Finance	(3)
ECON 0316 Economic History of Europe	(3)
ECON 0317 Comparative Economic Systems	(3)
ECON 0318 International Economics	(3)
ECON 0319 Development of Economic Thought	(3)
ECON 0350 Contemporary Economic Issues	(3)
ECON 0398 Senior Research Seminar	(3)
ECON 0399 Independent Study	(1-6)
MGMT 0338 International Business	(3)

ECONOMICS MINOR

The Economics minor program is intended for non-economics majors who choose to achieve some proficiency in economic analysis. It involves a minimum of eighteen credits in Economics.

The program in economics is designed to develop an understanding of economic relationships in contemporary life in order to equip a student to analyze economic issues of social and economic policy. This includes a systematic introduction to the basic theoretical and empirical techniques of economics. The program seeks to accommodate a broad range of student interests including preparation for careers in business or government, and graduate school in economics, business, law, or public administration.

REQUIRED COURSES FOR THE ECONOMICS MINOR - 6 credits

ECON 0101 Principles of Macroeconomics	(3)
ECON 0102 Principles of Microeconomics	(3)

ELECTIVES FOR THE ECONOMICS MINOR - 12 credits

ECON 0201 Microeconomic Theory	(3)
ECON 0202 Macroeconomic Theory	(3)
ECON 0204 Introduction to Mathematical Economics	(3)
ECON 0300 Money and Banking	(3)
ECON 0301 State & Local Finance	(3)
ECON 0302 Economic History of United States	(3)
ECON 0303 Economics of Development	(3)
ECON 0304 Urban Economics	(3)
ECON 0305 Introduction to Econometric Methods	(3)
ECON 0306 Managerial Economics	(3)
ECON 0311 Economic Fluctuations and Business Forecasting	(3)

ECON 0312 Labor Economics (3)
ECON 0314 Industrial Organization (3)
ECON 0315 Public Finance (3)
ECON 0316 Economic History of Europe (3)
ECON 0317 Comparative Economic Systems (3)
ECON 0318 International Economics (3)
ECON 0319 Development of Economic Thought (3)
ECON 0350 Contemporary Economic Issues (3)
ECON 0398 Senior Research Seminar (3)
MGMT 0338 International Business (3)

ECONOMICS MAJOR WITH A FINANCE MINOR:

The Economics major with a Finance minor is a program designed to develop an understanding of theoretical and empirical techniques of economics combined with a comprehension of financial markets and decision making within a business enterprise. The goal of the program is to provide students with an appropriate course of study for entry into the professional job market. The course work for the Finance Minor (18 credits) is listed below.

MGMT 0207 Financial Management (required) (3)
MGMT 0312 Investments (required) (3)
MGMT 0318 Advanced Managerial Finance (required) (3)
MGMT 0319 Investment Portfolio Analysis (3)
MGMT 0320/ECON 0300 Money and Banking (required) (3)
MGMT 0329 Principles of Modern Bank Management (3)
MGMT 0332 The Money Market: Theory and Practice (3)

REQUIREMENTS FOR BUSINESS MANAGEMENT MAJORS

Acceptance in the Business Management major is competitive. Students who have demonstrated proficiency in their status as pre-business students during their freshman and sophomore years are accepted into the Business major upon completion of 54 - 60 credits on a space available basis. Business Management majors must complete a minimum of 30 credits in the major at Westfield State College in order to graduate.

BUSINESS CORE - 33 CREDITS

MGMT 0104 Principles of Accounting I (3)
MGMT 0105 Principles of Accounting II (3)
MGMT 0107 Software Applications in Management (3)
MGMT 0207 Financial Management (3)
MGMT 0220 Production/Operations Management (3)
MGMT 0221 Business Management (3)
MGMT 0231 Marketing Management (3)
MGMT 0241 Business Law (3)
MGMT 0250 Quantitative Approach to Business Decisions (3)
MGMT 0325 Business Policy and Strategy (3)
MGMT 0338 International Business (3)

NON-BUSINESS REQUIRED COURSES - 18 CREDITS

ECON 0101 Macroeconomics (3)
ECON 0102 Microeconomics (3)
ENGL 0103 Speech (3)
ENGL 0392 Business & Technical Writing (3)
MATH 0115 Math for Business & Social Science (3)
MATH 0108 Statistics (3)

BUSINESS CONCENTRATIONS (NOT MORE THAN ONE CONCENTRATION PER STUDENT) - 15 CREDITS

ACCOUNTING
MGMT 0310 Federal Income Taxation (3)
MGMT 0311 Auditing (3)
MGMT 0315 Intermediate Accounting I (3)
MGMT 0316 Intermediate Accounting II (3)
MGMT 0317 Cost Accounting (3)

FINANCE
MGMT 0312 Investments (3)
MGMT 0318 Advanced Managerial Finance (3)
MGMT 0320/ECON 0300 Money and Banking (3)
0300 Level Finance Elective (3)
0300 Level Finance Elective (3)

MANAGEMENT
MGMT 0301 Labor Relations (3)
MGMT 0308 Organizational Development and Behavior (3)
MGMT 0321 Management Information Systems (3)
0300 Level Management Elective (3)
0300 Level Management Elective (3)

MARKETING
MGMT 0306 Distribution Management (3)
MGMT 0307 Marketing Research Techniques (3)
MGMT 0309 Sales and Sales Management (3)
0300 Level Marketing Elective (3)
0300 Level Marketing Elective (3)

ECONOMICS
ECON 0201 Microeconomic Theory (3)
ECON 0202 Macroeconomic Theory (3)
ECON 0302 Economic History of United States (3)
ECON 0306 Managerial Economics (3)
Any Upper Level Economics Elective (other than MGMT 0338) (3)

BUSINESS MINOR

The Business Minor Program is intended for non-business majors who choose to develop some proficiency in the business core area. The minor involves a minimum of eighteen credits in Business chosen from the Area I courses listed below:

MGMT 0104 Principles of Accounting I (3)
MGMT 0105 Principles of Accounting II (3)
MGMT 0107 Software Applications in Management (3)
MGMT 0207 Financial Management (3)
MGMT 0220 Production/Operations Management (3)
MGMT 0221 Business Management (3)
MGMT 0231 Marketing Management (3)
MGMT 0241 Business Law (3)

MGMT 0250 Quantitative Approach to Business Decisions (3)
MGMT 0325 Business Policy and Strategy (3)
MGMT 0338 International Business (3)

OMMERCIAL RECREATION AND TOURISM MINOR

he Commercial Recreation and Tourism minor is an terdisciplinary program shared by Economics and Management, eography and Regional Planning, and Movement Science. It is signed to acquaint students with the areas of travel and nsportation, hospitality, local commercial recreation, and tertainment industries. Students will learn skills for management, arketing, and operations positions in this expanding industry. rough course work and fieldwork students will be able to aluate this area for potential job opportunities.

x courses constitute the minor:

EQUIRED (9 credits):
MGMT 0251 Introduction to Commercial Recreation and Tourism (3)
MOVP 0330 Sports Promotion (3)
One of the following:
GARP 0213 Travel and Tourism (3)
GARP 0218 Recreational Geography (3)

ree courses from the list below, to be selected with the approval the minor advisor (9 credits):

GARP 0317 Special Topics (3)
MGMT 0221 Business Management (3)
MGMT 0231 Marketing Management (3)
MGMT 0241 Business Law (3)
MGMT 0336 Fundamentals of Retailing (3)
MGMT 0350 Special Topics (3)
MGMT 0353 Resort Management (Pending final governance approval) (3)
MGMT 0354 Fieldwork in Commercial Recreation and Tourism (Pending final governance approval) (3)
MOVP 0322 Sports and the Law (3)
MOVR 0296 Special Topics (3)

dents interested in this minor are encouraged to major in one of three areas and should seek advisement from that department.

ONOMICS COURSES

ON 0101 PRINCIPLES OF MACROECONOMICS (3) An oduction to economic analysis with emphasis on the application economic principles to an understanding of contemporary blems. Topics to be discussed include: the nature of a market nomy, national income, employment and fiscal policy, racteristics of the American monetary and banking system, nomic growth and international trade. ECON 0101 and ECON 2 may be taken in either order.

ECON 0102 PRINCIPLES OF MICROECONOMICS (3) Emphasis on the economics of the firm and resource allocation. Topics to be discussed include: the price and output determination under pure competition, pure monopoly, monopolistic competition, and oligopoly, the resource market, international trade, and an evaluation of American capitalism. ECON 0101 and ECON 0102 may be taken in either order.

ECON 0201 MICROECONOMIC THEORY (3) An examination of the basic assumptions and methods of analysis employed in microeconomic theory. Topics studied include: elasticity concepts, demand derivation, production and cost relationships, pricing under various market structures, and distribution theory. These topics are integrated through short and long-run analysis as applied to the firm and industry. Lecture and exercises of concepts is included. Prerequisite: ECON 0102.

ECON 0202 MACROECONOMIC THEORY (3) Analysis of the level of national income, employment, price level and the rate of growth in the economic system. Includes analysis of consumption and saving, factors affecting private investment, prosperity and depression, interactions between money and national income, implications for public policy. Lecture, discussion and exercise work. Prerequisite: ECON 0101.

ECON 0204 INTRODUCTION TO MATHEMATICAL ECONOMICS (3) A study of the principle mathematical methods used in economic analysis. The primary focus of the course is on matrix algebra and differential calculus, with particular emphasis on applications to economic problems. Topics include: matrix inversion, first and higher order derivatives, determinants, and optimization problems with particular applications to revenue, cost, profit and utility functions. Prerequisites: ECON 0101, ECON 0102, and one year of college algebra or permission of instructor.

ECON 0300/MGMT 0320 MONEY AND BANKING (3) A study of the relations, institutions, policies, and problems of the American monetary system. The course covers both theoretical and practical aspects of the system as it relates to the goals of full-employment, price stability, and economic growth. Prerequisite: ECON 0101.

ECON 0301 STATE AND LOCAL FINANCE (3) Analysis of state and local government revenue sources, expenditures, and fiscal surplus. Problems of intergovernmental fiscal relations are analyzed with particular relevance to the State of Massachusetts and its fiscal problems. Prerequisite: ECON 0102.

ECON 0302 ECONOMIC HISTORY OF THE UNITED STATES (3) A study of the evolution of the American economy from colonial times to 1960. Recent analysis is utilized to evaluate the economic impact of industrialization, land policy, slavery, wars, banking, and transportation. The role of the government is carefully traced in this context. Prerequisites: ECON 0101 and ECON 0102.

ECON 0303 ECONOMICS OF DEVELOPMENT (3) Examination and analysis of the major theories of economic development: "surplus labor," capital accumulation, historical and cultural approaches. Investigates principal policy alternatives: foreign trade problems, "choice technique," sectoral balance, education, land reform. Discusses issues in foreign aid and gives a limited number of country studies. Prerequisite: Any 3-credit course in Economics.

ECON 0304 URBAN ECONOMICS (3) An economic analysis of contemporary urban issues. The course utilizes economic theory to examine and evaluate problems that affect the urban sector specifically, and the economy in general. Topics analyzed include; rent inequality, discrimination, the regulation of public utilities, and the economics of crime. Prerequisite: ECON 0102.

ECON 0305/MGMT 0305 INTRODUCTION TO ECONOMETRIC METHODS (3) A study of the application of statistical methods and techniques to economic conditions. The primary focus of the course is the formulation, interpretation, and critical analysis of regression methodology. Topics include: hypothesis testing, multiple regression, specification errors, multicollinearity, and autocorrelation. Prerequisites: ECON 0101, ECON 0102, and Math 0108 or permission of instructor.

ECON 0306 MANAGERIAL ECONOMICS (3) An emphasis on the application of microeconomic theory in the solution of everyday business problems faced by the firm relating to production, costs, demand, expenditures, etc. A course designed for Business Management students. Prerequisite: ECON 0101 and 0102.

ECON 0311 ECONOMIC FLUCTUATIONS AND BUSINESS FORECASTING (3) A study of the behavior of the economy over time. Analysis of the business cycle in historical perspective and in contemporary terms. Explanations for the variability in employment, prices, and growth will be discussed. In addition, the government's proper role in a mixed economy will be explored. Prerequisite: ECON 0101.

ECON 0312 LABOR ECONOMICS (3) An examination of the theory of wage determination and labor markets. Topics include: the economics of collective bargaining, evaluation of criteria used for wage determination, and collective bargaining issues and procedures on the economy. Prerequisite: ECON 0102.

ECON 0314 INDUSTRIAL ORGANIZATION (3) An examination of modern business structure, conduct, and performance in imperfect markets. An emphasis on the development of public policy in the United States including federal anti-trust legislation and its judicial interpretation and regulation of business practices through the Federal Trade Commission. Prerequisite: ECON 0102.

ECON 0315 PUBLIC FINANCE (3) The role of government in attaining an efficient allocation of resources and an equitable distribution of income. Emphasis is placed on criteria for the evaluation and selection of public expenditure and tax programs including the problem of coordinating federal, state and local finance. Special attention is given to current policy issues. Prerequisite: ECON 0101 and ECON 0102.

ECON 0316 ECONOMIC HISTORY OF EUROPE (3) An analysis of the economic development of Europe from feudalism through the end of World War II. Special emphasis will be given to the rise and fall of the feudal economy, the transformation of agriculture, mercantilism, and the development of capitalism including the Industrial Revolution, urbanization, and economic imperialism. Prerequisite: ECON 0101.

ECON 0317 COMPARATIVE ECONOMIC SYSTEMS (3) A comparative economic analysis of the basic theories underlying capitalism, socialism, communism and the typical variants of these economic systems. The actual systems as they are exemplified by modern American capitalism, British and Swedish socialism and the hybrid systems of India and other developing countries will be evaluated. Prerequisites: ECON 0101 and ECON 0102.

ECON 0318 INTERNATIONAL ECONOMICS (3) An investigation into the theoretical and empirical basis of international trade and factor movements. The course deals with such basic topics as barriers to trade, the balance of payments, international monetary relations within the context of an historical perspective, present conditions, and future expectations. Prerequisites: ECON 0101 and ECON 0102.

ECON 0319 DEVELOPMENT OF ECONOMIC THOUGHT (3) Analyzes the content and limitations of contemporary economic thought in contrast with earlier theoretical systems. Traces the evolution of systematic economic thinking through the dual influence of internal logical development and the external social and intellectual environment. Central economic issues that are of current significance, such as price formation, distribution of wealth and income, population and international trade, etc., will be analyzed in historical perspective. Prerequisites: ECON 0101 and ECON 0102.

ECON 0350 CURRENT ECONOMIC ISSUES (3) Analysis of contemporary issues in domestic and international economic theory and policy at both macro- and micro-economic levels, including study of public vs. private sector relationships, the market structure, and the industrial base. Prerequisites: ECON 0201 or ECON 0202 or permission of instructor.

ECON 0398 SENIOR RESEARCH SEMINAR (3) Training in the application of economic theory and measurement to specific economic problems of local, national or international significance and in the preparation of research papers. Class discussion of student reports and assigned readings dealing with issues of economic theory and policy. Under faculty guidance, students will select a topic, design a research procedure, and complete an individual or group project. Prerequisites: ECON 0201 and ECON 0202.

ECON 0399 INDEPENDENT STUDY (3-6) Prerequisite: Permission of instructor.

IANAGEMENT COURSES

OTE: Junior status is required for all courses except for those iarked with an asterisk (*).

MGMT 0101 INTRODUCTION TO BUSINESS (3) An troduction to the field of Business Management. The course overs types of businesses, their organization, and the general nctions of financial management, production management and arketing management. (For non-business majors only).

MGMT 0104 PRINCIPLES OF ACCOUNTING I (3) evelopment of a framework of concepts underlying the reparation of corporate financial statements which are useful to vestors, economists, the general public, and other interested cternal parties. The balance sheet and income statement as nventionally reported by American corporations are studied as to ethodology for their preparation, their interpretation, and their rengths and limitations. Prerequisite: MGMT 0107.

MGMT 0105 PRINCIPLES OF ACCOUNTING II (3) ontinuation of the emphasis in Principles of Accounting I upon rporate financial reporting to external parties. An introduction to e concepts underlying the preparation of accounting information hich is useful to management in the planning and control of isiness operations. Prerequisite: MGMT 0104.

MGMT 0107 SOFTWARE APPLICATIONS IN ANAGEMENT (3) Examines software designed for management cluding spreadsheets, data-base packages, and mainframe mmunications. Provides practical experience as well as systems eory necessary for managerial decision-making. Fundamentals of mputer literacy and logical thinking, as they relate to anagement, are emphasized.

GMT 0205 FUND ACCOUNTING (3) Concerns the accounting eory applied to nonprofit entities such as municipalities, iiversities, hospitals, and churches. Content constitutes a gnificant portion of the Uniform Certified Public Accountant amination. Prerequisite: MGMT 0104.

GMT 0207 FINANCIAL MANAGEMENT (3) An analysis of e financial structure of American business with major emphasis i corporate finance. Among the topics to be considered are: omotion, government regulation of security sales, stocks, bonds, d stock market, investment banking, corporate dividend and vestment policies, security analysis, working capital, corporate pital structure, government regulation of financial policies and utual funds. Some attention is given to broad economic problems ch as the influence of corporate finance on prices, investment, ving, prosperity and depression. Prerequisite: MGMT 0104.

GMT 0210 BUSINESS DATA PROCESSING APPLICATIONS) Examines computer applications to business systems of rchasing and receiving, inventory control, production control, stribution and billing, accounts receivable, accounts payable, and yroll. Material covered also includes basic mathematics for mputers and the operation of data processing equipment. erequisite: MGMT 0104.

MGMT 0220 PRODUCTION/OPERATIONS MANAGEMENT (3) Provides students with a working knowledge of manufacturing and purchasing operations. The course covers: manufacturing methods, location and layout, production planning and control, purchasing, inventory control, quality control, labor relations, and general manufacturing management. Prerequisite: MGMT 0104.

MGMT 0221 BUSINESS MANAGEMENT: A SURVEY OF ORGANIZATIONAL DEVELOPMENT AND MANAGEMENT PRINCIPLES (3) Provides a general probe into the role of management in business, exploring concepts of management used in business, various issues of Business Management structures and the organization of management. Topics to be studied include: an examination of a systems approach to management, human behavior, personality conflict in organizations and techniques of creative management. The course shall touch upon several leadership development strategies, models of executive action in business policy or control, and provide a broad comprehensive over-view of current issues concerning women, minorities and social responsibility in the field of Business Management. Prerequisite: MGMT 0107.

MGMT 0231 MARKETING MANAGEMENT (3) A developmental survey into the field of Marketing in business, which will study the roles of marketers in business and society as a whole. Concentration shall be placed on defining what is marketing, what does a marketing executive do, what are the various systems of marketing, and what economic factors affect marketing. In order to probe these questions, the course shall examine consumer behavior, purchase decision making, product pricing, policy and planning, channels of distribution in business, and marketing institutions and organizations. Further dimensions of advertising, marketing research, analysis, forecasting, and marketing information flows, controls and performance shall be explored. Prerequisite: Junior status.

*MGMT 0241 BUSINESS LAW I (3) Develops an understanding of the philosophical and logical development of the law and its relationship to business through the use of text and case analysis. Explores, in-depth, substantive contract law, which forms the basis for business transactions, commencing with the initial negotiation and offer through performance of legally binding obligations and the remedies available if obligations are not performed.

MGMT 0242 BUSINESS LAW II (3) Continuation and extension of the principles of Business Law I into other areas of law directly affecting modern business. Emphasis is on agency law, including employment; and property law both real and personal. Introduces forms of business organizations and commercial and financial transactions. Prerequisite: MGMT 0241.

MGMT 0250 QUANTITATIVE APPROACHES TO BUSINESS DECISIONS (3) Covers the application of quantitative techniques to business problem-solving and decision making. Subjects include linear programming, probabilities, simulations, PERT, queuing, and game theory. The application of these analytical tools to business decision problems such as: distribution, inventory control, product mix, scheduling, competitive strategy, and forecasting is covered through case analysis. Approximately 1/3 of the course is devoted to case work. Prerequisites: MGMT 0207, MGMT 0220, MGMT 0231.

MGMT 0251 INTRODUCTION TO COMMERCIAL RECREATION AND TOURISM (3) Analysis of the commercial recreation and tourism industries. Includes a study of participant profiles, types of commercial and resort enterprises and national tourism studies. Also included will be employment opportunities trends and issues. Field visits are required. Prerequisite: Sophomore status.

MGMT 0301 LABOR RELATIONS (3) Examines the legal relationship between employer and employee. Uses text reading and case analysis to cover labor legislation, union organizations and practices, unfair labor practices, employment discrimination, and affirmative action programs. Prerequisite: MGMT 0241.

MGMT 0302 SMALL BUSINESS MANAGEMENT (3) A detailed study of the knowledge required and the factors involved in starting and operating a small business. Cost and money management are emphasized. Other areas covered include: product selection, location and timing, pricing and other marketing techniques, purchasing and inventory control, and the personal factors contributing to success. Prerequisites: MGMT 0231, MGMT 0241.

MGMT 0303 OFFICE MANAGEMENT AND PROCEDURES (3) Examines the administrative procedures necessary to control a business. These include office personnel, equipment, procedures, forms design and control, and business record keeping and reporting. Prerequisite: MGMT 0221.

MGMT 0304 MANAGERIAL ACCOUNTING (3) Designed to be used by students with a basic financial accounting background. Emphasis is on uses of accounting data internally by managers in setting plans and objectives in controlling operations. Topics covered will be management decision models, cost behavior patterns, profit planning and control. Prerequisite: MGMT 0105.

MGMT 0306 DISTRIBUTION MANAGEMENT (3) A vital part of the marketing world today is efficient physical distribution. Here the physical flow of products from manufacturers to retail stores is studied in depth. Included are the following areas: transportation, warehousing, inventory control, packaging, and materials handling. Prerequisite: MGMT 0231.

MGMT 0307 MARKETING RESEARCH TECHNIQUES (3) Reviews the specialized techniques for conducting marketing research and how they contribute to marketing strategy. Material covered includes quantitative and qualitative research, simulation, forecasting, survey preparation, and secondary source analysis. Prerequisite: MGMT 0231.

MGMT 0308 ORGANIZATIONAL DEVELOPMENT & BEHAVIOR (3) Examines the foundations for understanding individual and group behavior and relates these points to the problems faced by managers in organizations. Emphasis is on topics of study relevant to developing managerial effectiveness in interrelationships with other organizational members. Course attempts to develop an understanding of the relationship between individual and organization and to identify management skills that can contribute to effective performance. Prerequisite: MGMT 0221.

MGMT 0309 SALES AND SALES MANAGEMENT (3) A course in effective salesmanship and how to set up and control a field sales organization. Course emphasizes the role of personal selling in the marketing mix and covers all basic sales management issues. Prerequisite: MGMT 0231.

MGMT 0310 FEDERAL INCOME TAXATION (3) A first course in Federal Taxation which provides an overview of past and present Internal Revenue Codes. Emphasis is on personal and business income tax procedures and preparation. Exclusions, deductions, and income from proprietorships, partnerships, rental units, trusts, and estates, dividends, and interest are included. Prerequisite: MGMT 0105.

MGMT 0311 AUDITING (3) Covers the principles of auditing, using accounting principles as criteria. Auditing procedures and analysis of supporting documentation materials is emphasized. A practice audit and case studies are required. Prerequisite: MGMT 0105.

MGMT 0312 INVESTMENTS (3) A study of various investment securities for analysis and valuation. Included are corporation, public utility, banking, and investment company securities. Prerequisite: MGMT 0207.

MGMT 0313 COLLECTIVE BARGAINING (3) Combines the historical, behavioral, and legal elements covering the process of negotiating contractual conditions of employment. Current labor agreements are studied and distinctions between public and private sectors are identified. Prerequisite: MGMT 0241.

MGMT 0314 HUMAN RESOURCE MANAGEMENT (3) Covers the process of manpower planning and utilization in organizations. Personnel forecasting, employment, training and development, placement, motivation, wage and salary administration, employee benefits, and performance evaluation are covered. Special emphasis is given to problems arising between manager and subordinates, the professional in human services, minority groups, the hard-to-employ worker, and the impact of public policy. Prerequisite: MGMT 0241.

MGMT 0315 INTERMEDIATE ACCOUNTING I (3) Intermediate Accounting I advances the depth of accounting training that was pursued in the Principles course. Further study of financial reporting and of recent developments in valuation and reporting practices will be made. An appreciation of GAAP and SEC developments will be required. Prerequisite: MGMT 0105.

MGMT 0316 INTERMEDIATE ACCOUNTING II (3) A ontinuation of the professional theory and problem solving in ccountancy developed in MGMT 0315, with emphasis on esearch. Prerequisite: MGMT 0315.

MGMT 0317 COST ACCOUNTING (3) Basic cost accounting nethods for data collection, processing and reporting. Emphasis is n direct, job, process and standard cost systems. Estimating and rofit calculation are also covered. Prerequisite: MGMT 0105.

MGMT 0318 ADVANCED MANAGERIAL FINANCE (3) A tudy of the financial operation and control of a corporation. Financial policies, practices, and organization are included. Prerequisite: MGMT 0207.

MGMT 0319 INVESTMENT PORTFOLIO ANALYSIS (3) Advanced analysis of market behavior involving detailed discussion f modern portfolio theory. The modern portfolio theory approach s contrasted with other evaluative techniques. Prerequisite: MGMT 312.

MGMT 0320/ECON 0300 MONEY AND BANKING (3) A study f the relations, institutions, policies, and problems of the merican monetary system. The course covers both theoretical and ractical aspects of the system as it relates to the goals of ull-employment, price stability, and economic growth. Prerequisite: ECON 0101.

MGMT 0321 MANAGEMENT INFORMATION SYSTEMS (3) rovides the background and perspective necessary to understand, tilize and interact with integrated, management information ystems. Various techniques from industrial engineering, omputerized data processing, and operations research are covered. hese techniques are then applied to the planning, design and nplementation of information systems. Course involves case ork. Prerequisite: MGMT 0107.

MGMT 0325 BUSINESS POLICY AND STRATEGY (3) mphasizes management planning and control techniques in solving usiness problems and in determining strategy for sales and profit rowth. An integrated case study approach will be used. The course ill illustrate the many factors that influence complex business ecisions. FOR SENIORS ONLY. Prerequisites: MGMT 0207, MGMT 0221, MGMT 0231, MGMT 0241.

MGMT 0326 INSURANCE AND RISK MANAGEMENT (3) rovides the student with an in-depth understanding of all phases of surance and risk management. The topics to be studied are basic rinciples, the nature and operation of insurance business, and the ature of risk and risk management. Included in these topics are roperty insurance; casualty insurance; life, accident, and health surance; and group and social insurance. Prerequisite: MGMT 207.

MGMT 0327 SMALL BUSINESS INSTITUTE (3) Small Business Institute is a cooperative effort between the Small Business Administration and W.S.C.'s Business Management Department. The course will supplement the academic training of business students with "real-world" problems from the small business sector. Student teams from the Business Management Program will furnish in-depth management assistance to small businesses. Areas of assistance include: accounting and record keeping, market research, advertising and sales promotion, inventory control, etc. Prerequisite: junior or senior status, and permission of department.

MGMT 0328 PRINCIPLES OF ADVERTISING (3) Vital to the world of modern business is an understanding of the role of advertising. This course provides a study of the techniques and practices of advertising today. Strategies and procedures for campaign design and execution will be examined. Students will take an advertising idea through the various stages of planning, visualizing and writing advertising copy. Prerequisite: MGMT 0231.

MGMT 0329 PRINCIPLES OF MODERN BANK MANAGEMENT (3) This course teaches the theory and practice of modern bank management, which includes the following: portfolios and functions, branch systems, holding companies, multi-national banking systems, asset and liability management in commercial banks, trust services and strategies. It also includes a review of other financial intermediaries. Prerequisite: MGMT 0207.

MGMT 0330 CONTEMPORARY PROFESSIONAL ACCOUNTING PROBLEMS (3) Examines professional accountancy problems, design of format solution sets, and guides to underlining theory. This course supplies an integrated approach to the problems and theory sections of the CPA and CMA exams. Prerequisite: MGMT 0316.

MGMT 0331 ADVANCED ACCOUNTING (3) An intensive course that specializes in areas of accounting including: partnerships and joint ventures, branches, consolidated statements, segment reporting, interim statements, multi-national companies, bankruptcy and reorganization, installments and consignments, fund accounting, and estates and trusts. Prerequisite: MGMT 0316.

MGMT 0332 THE MONEY MARKET: THEORY AND PRACTICE (3) The course focuses on short-term, liquid investments. The study of domestic and international instruments leads to analysis of the yield curve, the market makers, arbitrage and the role of the central bank in determining the price and supply of money. Prerequisite: MGMT 0207.

MGMT 0333 LAW AND BUSINESS: CURRENT ISSUES (3) An upper level course, the objective will be to develop an understanding of the impact of the law on the complex climate in which the contemporary business entity operates. Students will examine the legal environment of managerial behavior in order to understand the philosophical, political, historical, social and ethical bases of American business. Current problems, including anti-trust, unfair competition, regulation and deregulation, marketing, consumerism, corporate social responsibility, and business ethics, will be explored. Prerequisite: MGMT 0241.

MGMT 0334 SEMINAR IN NEW VENTURE IN BUSINESS (3) The objective is to understand the pervasiveness of conceptualizing, investigating, planning and establishing a new venture. Students will explore the interrelationships among the complex elements necessary to make an innovative idea into a new, profit making venture. The principles studied will apply equally to small, entrepreneurial businesses and new product or process development within a large organization. Students will study the elements that lead to success; then, through simulation and participation, will create a prototype business plan analyzing and integrating the functional, organizational and financial aspects of the venture. Prerequisites: MGMT 0231, MGMT 0241, MGMT 0207, and permission of department.

MGMT 0335 MARKETING COMMUNICATIONS (3) Exposes students to all aspects of marketing communications and promotion, including advertising, personal selling, sales promotion, public relations, publicity, and word of mouth. It integrates communication theory with pragmatic aspects of the organizational/environmental interface. The course also covers non-business promotion, services promotion, promotion management, consumer correspondence, and consumer education. Prerequisite: MGMT 0231.

MGMT 0336 FUNDAMENTALS OF RETAILING (3) Retailing concepts, structure, and competition are studied and evaluated. Attention is given to techniques and procedures of purchasing goods for resale. The necessity of keeping merchandise assortments adjusted to constantly changing consumer demands is analyzed. Retail organizational trends and management, market analysis, store location, sales forecasting, and retail advertising will be examined. Prerequisite: MGMT 0231.

MGMT 0337 CONSUMER BEHAVIOR (3) By gaining a better understanding of the factors that affect consumer behavior, marketers are in a better position to predict how consumers will respond to their marketing strategies. Consumer Behavior draws on the Social Sciences in addition to the quantitative characteristics of the market such as: population patterns, income distribution, living standards, and occupational changes.

MGMT 0338 INTERNATIONAL BUSINESS (3) Provides an opportunity to bring the tools and information gained in previous courses to the task of solving managerial problems in international and foreign environments. Focuses on an analysis of market opportunities and methods of entry in foreign business areas and on related business problems. Prerequisite: senior status business major or permission of instructor.

MGMT 0350 SPECIAL TOPICS (IN BUSINESS MANAGEMENT) (3) Examines and analyzes contemporary topics in Business Management. Educates the student in the application of strategy and integrates fundamental problem solving techniques into contemporary situations. Focuses on current business issues, yet takes a traditional perspective.

MGMT 0351 TEACHING METHODS IN BUSINESS (3) Preparation for teaching of business in the middle and secondary schools through the following: preparation of lesson plans and lessons and development of evaluation methods appropriate to student developmental level and specific to business content. Analysis of teaching techniques and instructional materials will focus on differences between courses aimed at developing skills and those designed to teach understanding of the conceptual basis of business and economics. Approaches to teaching studied will include the following: sensitivity to surrounding cultures within which businesses operate; interrelationship of businesses with individuals and society; need for appropriate responses to changes in technology; and importance of employment relationships to the content area.

MGMT 0353 RESORT MANAGEMENT (3) A topical course in resort and selected sports management activities. Contents include management and marketing of lodging, retail shops, rental and recreational programs, food services and other year round resort services. Additionally, the selection and operation of seasonal commercialized sports will be included. This unique course combines classroom training in addition to providing a significant work experience at the mountain. Prerequisites: Junior status, MGMT 0251, permission of instructor and departmental permission. (Pending final governance approval)

MGMT 0354 FIELDWORK IN COMMERCIAL RECREATION AND TOURISM (3-9) Fieldwork offers students and opportunity to work in a directed environment with professionals in the area. Here they experience the work world first hand before graduation. Students learn new skills, test their academic theories, and explore professional goals while making valuable contributions to their employer. This experience also emphasizes individual development. Only 3 credits may be applied to the Commercial Recreation and Tourism minor. Prerequisite: Permission of instructor and department. (Pending final governance approval)

MGMT 0398 BUSINESS INTERNSHIP (3-15) Full time business student/ must be a second semester junior or senior and have permission of department.

MGMT 0399 INDEPENDENT STUDY Prerequisite: Permission of Department.

EDUCATION

Since its founding in 1836, Westfield State College has been a leader in teacher preparation. To become a competent, professional teacher of today, Education Majors acquire knowledge in a wide variety of areas. Therefore, our teacher education programs represent an integration of the courses and course sequences in our department and those of the college's other academic departments.

All of our undergraduate teacher education programs have been accredited by the New England Association of Schools and Colleges (1990-2000). Interstate Certification Compact approval from the Massachusetts Department of Education has been awarded for elementary, middle school, secondary, and special education programs, and for the middle and secondary certificate programs (1995-1999).

Teacher-education programs at the elementary level include early childhood education, special education, and elementary education. At the secondary level, the approved programs include English, performing arts, history, mathematics, general science, chemistry, biology, and occupational education. Special education programs prepare teachers to work with children with special needs at the elementary level or to work with children with intensive special needs at all grade levels. The department also offers a Teacher of Middle School (5-9) certificate.

The Regulations for Certification of Educational Personnel in the Commonwealth of Massachusetts require that all prospective teachers complete a liberal arts, sciences or interdisciplinary major. Furthermore, all prospective teachers certified after October 1, 1994 will be provisionally certified; standard certification is available upon completion of a masters degree. For details about program requirements students should contact their education advisor (assigned upon acceptance to programs in education).

Westfield offers the following Massachusetts Department of Education approved majors in the liberal arts and sciences

- Applied Chemistry
- Art
- Biology
- Economics
- English
- French
- General Science
- History
- Liberal Studies*
- Mathematics
- Music
- Political Science
- Psychology
- Social Science
- Spanish

*Students may choose Education as one component, as long as the courses taken for the Liberal Studies major are exclusive of the courses taken for an Education major or teacher certificate program. The other two components of the Liberal Studies major must be from the Liberal Arts and/or Sciences to meet Massachusetts certification regulations.

The Education Department also sponsors informational meetings about programs in education each semester. Students should contact the department for meeting times.

Admissions and retention criteria for Teacher Certification Programs are maintained by the Department of Education. Proof of proficiency in written English must also be evidenced by an average of 2.3 (C+) or better in ENGL 0101 and ENGL 0102. HIST 0150, Introduction to the Non-Western World, or EDUC 0380, Multicultural Education, is required for all certificate programs.

A minimum CUM of 2.7 is required for a practicum placement.

A complete listing of teacher preparation programs sponsored or co-sponsored by the Department of Education includes:

- Early Childhood (Pre K-3)
- Elementary (1-6)
- English (5-9)
- English (9-12)
- Communication and Performing Arts (All levels)
- History (5-9)
- History (9-12)
- Mathematics (5-9)
- Mathematics (9-12)
- Chemistry (9-12)
- Biology (9-12)
- General Science (5-9)
- General Science (9-12)
- Special Needs (Pre K-9)
- Intensive Special Needs (All Levels)

ELEMENTARY EDUCATION

The Elementary Education programs are designed to prepare outstanding teachers. Students enrolled in a Bachelor of Science in Education Program may choose either Early Childhood (Grades Pre K-3) or Elementary Education (Grades 1-6) as their major field or complete a certification program in Early Childhood or Elementary Education. All students majoring in education or completing a certification program must also complete a liberal arts, sciences or liberal studies major.

Generally, a student's first two years are devoted to acquiring a broad base in the liberal arts. During the sophomore year students also take introductory level education courses and participate in practical experiences in the classroom which help to confirm their desire to enter the teaching profession. During the last two years of college, students complete their education coursework and their arts or sciences major. During the senior year students must complete a practicum experience. Undergraduates who have completed all of the requirements for the major or certification programs in Early Childhood or Elementary Education are recommended by the Education Department for the provisional certificate issued by the Commonwealth of Massachusetts.

PROGRAM REQUIREMENTS: EARLY CHILDHOOD
(Pre K-3)

MAJOR PROGRAM (36 HOURS):

EDUC 0220 Schools in American Culture	(3)
EDUC 0221 Equity in Education	(3)
EDUC 0319 Educational Planning and Evaluation: Early Childhood and Elementary Grades	(3)
EDUC 0308 Early Childhood Curriculum	(3)
EDUC 0381 Early Intervention for Young Children with Special Needs	(3)
EDUC 0305 Literature and Language Arts	(3)
EDUC 0303 Early Literacy and Reading	(3)
EDUC 0336 Practicum	(12)
PSYC 0202 Child Psychology	(3)

CERTIFICATION PROGRAM (30 HOURS):

EDUC 0220 Schools in American Culture	(3)
EDUC 0221 Equity in Education	(3)
EDUC 0319 Educational Planning and Evaluation: Early Childhood and Elementary Grades	(3)
EDUC 0308 Early Childhood Curriculum	(3)
EDUC 0381 Early Intervention for Young Children with Special Needs	(3)
EDUC 0336 Practicum	(12)
PSYC 0202 Child Psychology	(3)

PROGRAM REQUIREMENTS: ELEMENTARY EDUCATION
(1-6)

MAJOR PROGRAM (37 HOURS):

EDUC 0220 Schools in American Culture	(3)
EDUC 0221 Equity in Education	(3)
EDUC 0319 Educational Planning and Evaluation: Early Childhood and Elementary Grades	(3)
EDUC 0306 Elementary Curriculum and Instruction	(3)
EDUC 0303 Early Literacy and Reading	(3)
EDUC 0305 Literature and Language Arts	(3)
Elective coursework in Elementary, Early Childhood or Special Education	(6)
EDUC 0338 Practicum	(6)
PSYC 0202 Child Psychology	(3)
IDIS 0260 Elementary Mathematics and Science*	(4)

CERTIFICATION PROGRAM (31 HOURS):

EDUC 0220 Schools in American Culture	(3)
EDUC 0221 Equity in Education	(3)
EDUC 0319 Educational Planning and Evaluation: Early Childhood and Elementary Grades	(3)
EDUC 0306 Elementary Curriculum & Instruction	(3)
EDUC 0303 Early Literacy and Reading	(3)
EDUC 0305 Literature and the Language Arts	(3)
EDUC 0338 Practicum	(6)
PSYC 0202 Child Psychology	(3)
IDIS 0260 Elementary Mathematics and Science*	(4)

*Course description for IDIS 0260 may be found at the end of the Physical Science section of the Bulletin.

CORE COURSEWORK

The following core coursework is required for students completing the major or certification programs in early childhood and elementary education:

Appreciation of Fine Arts (6 hours)
ART 0106 Art Survey
or
ART 0104 Design Fundamentals

MUSC 0101 Music Appreciation
or
MUSC 0110 Basic Music Theory

ENGL 0104 Introduction to Theatre may be substituted for the art or music course.

State and Local Government (3 hours)
HIST 0130 U.S. History and Government

Analytical Science (10 hours)
PHYS 0101 Physical Science
One of the following:
BIOL 0102 Environmental Biology
BIOL 0104 General Biology I
BIOL 0106 General Biology II
As well as:
MATH 0150 Foundations Sets & Logic

Social Understanding (3 hours)
HIST 0150 History of the Non-Western World

Note that students must also complete PSYC 0101 General Psychology as a prerequisite for Child Psychology. EDUC 0380, Multicultural Education, may be substituted for HIST 0150. This is recommended when the student has fulfilled the course requirements for the social understanding area of the core.

SPECIAL EDUCATION

Massachusetts State Law requires that children with special needs be served non-categorically and within the least restrictive environment possible. Federal law P.L, 94-142, the Education for All Handicapped Children's Act reinforces Massachusetts legislation and guarantees full education and due process for the handicapped.

Regulations designed to implement these laws clearly state the need for special education teachers to provide services to children who exhibit a wide range of special needs. Therefore, our Special Education Programs respond to these regulations. Two programs are available to students:

1. Teacher of Students with Special Needs (Pre K-9)
2. Teacher of Students with Intensive Special Needs (All Levels)

Students may choose to major or complete the certification program sequence to prepare as a teacher of children with special needs or intensive special needs. Students completing either of the majors or certification programs in special education must also complete a liberal arts, sciences or liberal studies major.

In general the Special Educator is trained in the educational, social, emotional and vocational influences of developmental deviations; observation, identification, assessment and programming processes; adaptation and development of curriculum materials; language acquisition; analysis of behavior; the development and implementation of individual educational programs; knowledge about the legislation; and comprehensive support services for special needs populations. Students completing a program in special education generally devote the first two years to acquiring a broad base in the liberal arts. During the sophomore year students also take introductory level education courses. In the last two years students complete their education coursework and their arts, sciences or liberal studies major. Field experiences attached to education courses prepare students for the senior student teaching practicum.

PROGRAM REQUIREMENTS: TEACHER OF STUDENTS WITH SPECIAL NEEDS (Grades Pre K-9)

MAJOR (33 HOURS):

EDUC 0220 Schools in American Culture (3)
EDUC 0221 Equity in Education (3)
EDUC 0319 (or EDUC 0352) Educational Planning and Evaluation: Early Childhood and Elementary Grades (or Middle School) (3)
EDUC 0371 Identification, Assessment, Planning and Programming (Special Needs Teacher) (3)
EDUC 0378 Classroom Management of Students with Behavorial/Emotional Problems (3)
EDUC 0377 Students with Specific Learning Problems (3)
EDUC 0381 Early Intervention for Young Children with Special Needs (3)
EDUC 0303 Early Literacy and Reading (3)
PSYC 0202 Child Psychology (3)
Appropriate Special Needs Practicum (6)

CERTIFICATION PROGRAM (27 HOURS):

EDUC 0220 Schools in American Culture (3)
EDUC 0221 Equity in Education (3)
EDUC 0319 (or EDUC 0352) Educational Planning and Evaluation: Early Childhood and Elementary Grades (or Middle School) (3)
EDUC 0371 Identification, Assessment, Planning and Programming (Special Needs Teacher) (3)
EDUC 0378 Classroom Management of Students with Behavorial/Emotional Problems (3)
EDUC 0377 Students with Specific Learning Problems (3)
PSYC 0202 Child Psychology (3)
Appropriate Special Needs Practicum (6)

PROGRAM REQUIREMENTS: TEACHER OF STUDENTS WITH INTENSIVE SPECIAL NEEDS (ALL LEVELS)

MAJOR (33 HOURS):

EDUC 0220 Schools in American Culture (3)
EDUC 0221 Equity in Education (3)
EDUC 0367 Identification, Assessment, Planning and Programming in Special Education (Intensive) (3)
EDUC 0385 Development and Administration of Community Based Resources (3)
EDUC 0386 Education and Training of the Substantially Handicapped (3)
EDUC 0376 Students with Emotional/Developmental Disabilities (3)
EDUC 0381 Early Intervention for Young Children with Special Needs (3)
PSYC 0202 Child Psychology (3)
General Education Elective (upon advisement) (3)
Practicum (6)

CERTIFICATION PROGRAM (27 HOURS):

EDUC 0220 Schools in American Culture (3)
EDUC 0221 Equity in Education (3)
EDUC 0367 Identification, Assessment, Planning and Programming in Special Education (Intensive) (3)
EDUC 0385 Development and Administration of Community Based Resources (3)
EDUC 0386 Education and Training of the Substantially Handicapped (3)
EDUC 0376 Students with Emotional/Developmental Disabilities (3)
PSYC 0202 Child Psychology (3)
Practicum (6)

CORE COURSEWORK

Students completing programs in special education must complete PSYC 0101 General Psychology as a prerequisite for Child Psychology. The course, HIST 0150 History of the Non-Western World is also required. EDUC 0380, Multicultural Education, may be taken in place of HIST 0150, if the student has fulfilled the course requirements for the social understanding area of the core.

ELECTIVE

Elective course work should be selected under advisement.

SECONDARY EDUCATION

The Secondary Education program provides students with basic tools for teaching in select academic disciplines at the middle school, junior, and senior high schools. The course work in instructional methods and strategies for teaching the various academic subjects emphasizes helping the student become skilled at communicating the principles and concepts basic to the academic subject. The programs are structured so that students gain first hand experience in actual classroom situations early in their college studies, usually not later than the sophomore year. Thus, students are better able to make judgments relative to a future career in teaching. With this emphasis on content in the academic discipline and intensive preparation in simulated and actual teaching situations, students experience and demonstrate competencies required for successful teaching.

Students may elect to prepare for teaching in any one (or a combination of) the following areas: Art (Pre K-9,5-12), Biology (9-12), Business Management (5-12), Chemistry (9-12), Communication and Performing Arts (all levels), English (5-9, 9-12), French (5-12), General Sciences (5-9, 9-12), History (5-9, 9-12), Mathematics (5-9, 9-12), Music (Pre K-9, 5-12), Physical Education (Pre K-9, 5-12), Spanish (5-12).

Students who intend to prepare for a teaching career at the middle or secondary level must, in addition to selecting and meeting the requirements of a certifiable major, complete the Professional Sequence in Education. Freshmen who plan to follow the Professional Sequence in Secondary Education must make an appointment to see the Department Chair to complete the application process. Students are encouraged to meet regularly with their education advisor (assigned upon acceptance into the professional sequence) to ensure a timely completion of program requirements.

PROFESSIONAL SEQUENCE: MIDDLE SCHOOL TEACHER (GRADES 5-9)

EDUC 0220 Schools in American Culture (3)
EDUC 0221 Equity in Education (3)
EDUC 0321 The Middle School and Its Students (3)
EDUC 0352 Educational Planning and Evaluation: Middle School (3)
EDUC 0359 Curriculum and Instruction: Middle School Generalist (3)
EDUC 0318 Reading in the Content Area (3)
EDUC 0364 Practicum: Middle School (6)
PSYC 0203 Adolescent Psychology (3)

PROFESSIONAL SEQUENCE: MIDDLE (GRADES 5-9) AND SECONDARY (GRADES 9-12) SPECIALIST

EDUC 0220 Schools in American Culture (3)
EDUC 0221 Equity in Education (3)
EDUC 0321 The Middle School and Its Students (3)
EDUC 0352 (or EDUC 0353 or EDUC 0354) Educational Planning and Evaluation (Middle, Secondary or Middle and Secondary) (3)
PSYC 0203 Adolescent Psychology (3)
EDUC 0364 (or EDUC 0369) Practicum: Middle School (Secondary) (6)

Program requirements also include a course in academic methods in addition to the above courses.

CORE COURSEWORK

Students completing programs in secondary education (including middle school) must complete PSYC 0101 General Psychology as a prerequisite for Adolescent Psychology. The course, HIST 0150 History of the Non-Western World is also required. EDUC 0380, Multicultural Education, may be taken in place of HIST 0150, if the student has fulfilled the course requirements for the social understanding area of the core.

Secondary Education also offers a Community Service Placement. This is a six credit course which provides field work for students who wish to augment their teacher preparation sequence with additional clinical experience.

OCCUPATIONAL EDUCATION

In cooperation with the Division of Occupational Education of the State Department of Education, Westfield State College offers a degree program for vocational teachers. This is a Bachelor of Science in Education (Vocational) for teachers of trades. The students in this program are later employed either in their trade area, or in a vocational technical school, or in a comprehensive high school.

Since the students in this program are employed during the day, the program is offered on a part-time basis in the evening. In the Commonwealth of Massachusetts a degree is not a requirement for teaching a trade in a vocational school.

PROGRAM REQUIREMENTS: OCCUPATIONAL EDUCATION

EDUC 0141 Educational Psychology Applied to Occupational Education (3)
EDUC 0211 Teaching Methods in Vocational Education (6)
EDUC 0240 Occupational and Training Information (3)
EDUC 0210 Fundamentals of Vocational Education (3)
EDUC 0342 Supervision of Vocational School (3)
EDUC 0212 Management of Vocational Environments (3)
EDUC 0214 Supervised Internships (3)
EDUC 0343 Appraisal and Evaluation Techniques in Occupational Education (3)
EDUC 0344 Curriculum Development in Occupational Education (3)
EDUC 0345 Labor Laws Relating to Occupational Education (3)
EDUC 0347 Principles and Practices of Occupational Guidance (3)

Trade and Teaching Experience: 10-20 credits which may be granted by the State of Massachusetts to persons working toward State approval for vocational teaching.

Students who have four years teaching experience in a state-aided day vocational school and a minimum of eighty credits toward the degree may apply for Trade Experience and Professional Improvement (i.e. workshops, conferences, institutes, etc.) credit as part of the elective core.

READING MINOR

Students may choose to complete a minor in reading. The minor consists of 18 hours of course work in the specialized area of reading, typically beginning in the first semester of the sophomore year. Students interested in completing this minor should schedule an appointment with the Education Department chair.

Required Courses:

EDUC 0334 Word Analysis (3)
EDUC 0309 Children's Literature (3)
EDUC 0335 Individualized Instruction in Reading (3)
EDUC 0317 Analysis and Correction of Reading Disabilities (3)

Elective Courses (Select two):

EDUC 0205 Adult Literacy: Problems and Issues (3)
EDUC 0304 Reading and Creative Writing for the Classroom Teacher (3)
EDUC 0318 Reading in the Content Area (3)
EDUC 0326 Listening as an Aspect of Reading (3)
EDUC 0331 Creative Drama in a Reading Instructional Program (3)
EDUC 0333 Reading Clinic (3)
EDUC 0361 Teaching Reading in the Secondary School (3)

JUNIPER PARK SCHOOL

This elementary school is owned by Westfield State College and administered by the City of Westfield Public Schools. It is located adjacent to the college campus. Teacher-education students have the opportunity to observe team teaching, differentiated staffing, demonstration lessons, and innovative curricula taught by master teachers. Juniper Park School affords pre-service and in-service students opportunities to interact with pupils in Grades K-5.

The school staff represents a full range of education personnel including specialists and special educators. This staffing pattern allows Westfield State College students in various teacher-education programs to learn more about their chosen professional area. Westfield State College programs leading to certificates in early childhood education, elementary education, special education, art, music, physical education, and others rely upon the school's staff and physical facilities for pre-practicum and practicum placements of pre-service students.

COURSES

EDUC 0102 INTRODUCTION TO TEACHING (1) Assignment to various educational settings provides prospective teachers with an opportunity to observe individuals, small groups, and whole classes. Students visit with cooperating practitioners for at least 15 contact hours. As a result, students gain understanding about their personal and career goals relative to the teaching field.

EDUC 0103 INTRODUCTION TO TEACHING II (1) Field experience for undergraduates who are desiring further observational experience, as well as those studying in other academic disciplines.

EDUC 0105 IMPROVEMENT OF READING I (3) The course is expressly designed to provide a customized approach to help the student to improve in his/her reading skills. Major areas include the improvement of the student's comprehension, the development of the student's study skills habits and techniques. Scheduling for this course will be highly individualized and flexible, with classes arranged to best suit the student's needs.

EDUC 0106 IMPROVEMENT OF READING II (3) Sequel to EDUC 0105. Some students may take a second semester of the above.

EDUC 0141 EDUCATIONAL PSYCHOLOGY APPLIED TO OCCUPATIONAL EDUCATION (3) Organized around major discussion topics with particular reference to their application in the vocational schools. Among the topics considered are: motivation, readiness, climate for learning, level of aspiration, and the various types of learning.

EDUC 0155 STRUCTURE AND FUNCTIONS OF THE SECONDARY SCHOOL (3) Discussion of various aspects of the secondary school program including co-curricular activities, scheduling, fiscal procedures, legal responsibilities, public relations, systematic environment, and other areas of relationship and interaction. Emphasis will be placed upon the interdependence of the components of the modern secondary school and the role functions of the secondary school. On-site visits to a selected secondary school, research projects (group and individual), and evening panel discussions with members of various school systems will be part of the course requirements.

EDUC 0201 TESTS AND MEASUREMENTS-DIAGNOSIS (3) Examines underlying mathematical, psychological, and social principles pertaining to evaluation and applications of principles to standardized and teacher-made tests. Considered are individual and group, verbal and non-verbal, criterion-referenced, competency and performance-based tests. Diagnosis of particular children with serious learning problems in the area of basic skills; perceptual-motor; speech and language; writing; and the affective domain, will be studied.

EDUC 0210 FUNDAMENTALS OF VOCATIONAL EDUCATION (3) Organized in a competency based approach to provide a practical foundation for designing, organizing, and supervising classroom and shop learning activities. Includes videotaped review of microteaching lessons, strategies for evaluating and controlling student performance, procedures for utilizing effective advisory committees and a thorough review of the ten approval factors which govern vocational-technical programs. Also covers theories and techniques of various instructional methodologies.

EDUC 0211 TEACHING METHODS IN VOCATIONAL EDUCATION (6) Covers theories, techniques of instruction, use of audio visual equipment, preparing lesson plans for class or unit, and evaluation of student learning.

EDUC 0212 MANAGEMENT OF THE VOCATIONAL EDUCATION ENVIRONMENT (3) Shop, academic, related classroom and cooperative placement sites; safety, priority population, developmental psychology with focus on adolescent psychology, learning styles, and disciplines.

EDUC 0214 SUPERVISED INTERNSHIP: VOCATIONAL EDUCATION (3) Supervised by a master teacher and monitored by a college instructor. Demonstration of the application of pedagogical skill. Prerequisite: Completion of the four pre-internship vocational instructor approved courses.

EDUC 0220 SCHOOLS IN AMERICAN CULTURE (3) This prepracticum course is designed to stimulate creative and critical thinking about the nature and value of education. Participants will be introduced to the role of the teachers, learners, and schools in society. The characteristics of effective teaching and the relationship of technology and research to reacting will also be examined. Required 15 hour field experience.

EDUC 0221 EQUITY IN EDUCATION (3) Content and experiences will focus on both inter and intra-individual differences as well as group variables to be considered in teaching such as ethnic background, race, gender and developmental differences. Historical and current approaches for the education of those with handicapping conditions will be examined, as well as issues such as identification, placement, and evaluation. Special attention will be given to the prospective value of Individualized Educational Programs and education in the "least restrictive environment." Required 15 hour field experience.

EDUC 0240 OCCUPATIONAL AND TRAINING INFORMATION (3) The study of the history of occupations, work classification, job families and job descriptions, current occupational information and the Dictionary of Occupational Titles.

EDUC 0256 CONTEMPORARY ISSUES IN SECONDARY EDUCATION (3) Analysis of major social forces affecting secondary education, including contemporary social, cultural, economic, and political issues. Exploration of various underlying educational policies.

EDUC 0303 EARLY LITERACY AND READING (3) Provides the prospective teacher with an introduction to early literacy and reading program development. The course emphasizes skills related to emergent literacy, word recognition, comprehension, critical and oral reading, continuous evaluation of developmental reading skills, diagnostic teaching, and individualized instruction of reading in early childhood and elementary education. Prerequisite: EDUC 0319.

EDUC 0304 READING AND CREATIVE WRITING FOR THE CLASSROOM TEACHER (3) Designed both to aid the teacher in his/her awareness of creative expression and to provide a better understanding of basic objectives, techniques and means of fostering creativity within the actual classroom. A wide variety of creative writing experiences will be explored, identified, and applied. Creating classroom climate conducive to creativity and establishing learning centers will also be major goals of this course.

EDUC 0305 LITERATURE AND THE LANGUAGE ARTS (3) Provides the prospective teacher with an introduction to literature/language arts programs. Emphasis is on the communication skills of listening, speaking, reading, and writing. The relationship of children's literature in the total language arts program in early childhood and elementary education is presented. Prerequisite: EDUC 0319.

EDUC 0306 ELEMENTARY CURRICULUM AND INSTRUCTION (3) Elementary Curriculum and Instruction Students will be introduced to the major concepts of the elementary school social studies, science, mathematics, the arts, physical education/health, and drug and substance abuse curricula. The relationship among the elementary disciplines will be demonstrated in the development of a unit of work and learning center activities. The application of the curricular concepts and unitary procedure will be demonstrated in a required field experience. Prerequiste: EDUC 0319.

EDUC 0307 PHILOSOPHY OF EDUCATION (3) Builds a knowledge of the tools of critical thinking which include an understanding of the uses and misuses of logic and language both in general and specifically applied to educational concepts, as well as an understanding of the major philosophical assumptions regarding the question; What is Man? posed by the representative philosophers who have had a major impact on American Education Practice.

EDUC 0308 EARLY CHILDHOOD CURRICULUM (3) Curriculum and principles of early childhood education for children with and without special needs are identified for students through lectures supported by observations and demonstrations. Curricular adaptations and relationships among the disciplines taught in early childhood are presented. A thirty hour (minimum) field placement is required. Prerequisites: EDUC 0220, EDUC 0221, and PSYC 0101.

EDUC 0309 CHILDREN'S LITERATURE (3) This course is designed to provide teachers with a background of the major objectives and purposes for children's literature in today's classroom. Major emphasis will be given to a review of various types of children's literature, ways to share literature effectively with children, the use of media to encourage more reading, and to the establishment of library centers within the classroom setting. Areas of specialization such as award-winning books, key illustrators, poetry, and traditional literature will also be included.

EDUC 0310 SEMINAR: TEACHING DESIGNS IN EARLY CHILDHOOD (3) The seminar is designed to examine considerations in structuring learning experiences and environments for young children. Included will be research studies of Piaget, Skinner, and Maslow and their influence on the teaching designs of curriculum to meet the needs of young children, including those at risk. Specific attention will be given to reviewing and studying early childhood demonstration programs that have been designed to meet the needs of the 9 mos-3 year old, as well as 4-7 year old children with a variety of handicapping conditions.

EDUC 0311 SOCIAL STUDIES IN THE ELEMENTARY SCHOOL (3) Requires students to examine actively the basic principles underlying Social Studies. It requires that students become aware of unifying concepts and generalizations related to the realities of how people live and interact. Examination of traditional and current Social Studies projects is a matter of concern. Concurrently, production of materials and use of procedures promoting apt combinations of cognitive affective and psychomotor behaviors are expected.

EDUC 0317 ANALYSIS AND CORRECTION OF READING DISABILITIES (3) Designed to acquaint students with the procedures, techniques, and materials used in diagnosing, prescribing, and remediating individual reading disabilities. Instruction in theoretical background is applied to actual cases with disabled readers. Prerequisite: EDUC 0303 or permission of instructor.

EDUC 0318 READING IN THE CONTENT AREAS (3) Approaches reading as a tool in the content areas of the curricula. All of the major subject matter areas will be explored. The general reading abilities involved in these areas as well as the specialized reading needs will be examined. The objectives, techniques, procedures, and material will be identified and utilized. Designed for teachers in the intermediate and secondary levels.

EDUC 0319 EDUCATIONAL PLANNING & EVALUATION: EARLY CHILDHOOD AND ELEMENTARY (3) Introduces educational planning procedures including: modes of teaching, classroom interaction strategies, media, grouping for instruction, classroom interaction behaviors, Individual Educational Plans, community resources, and parent-teacher conferencing. The course also emphasizes the selection and development of evaluation measures to assess student learning. The application of methodology, concepts, and skills and the ability to modify teaching strategies will be demonstrated in a required thirty hour (minimum) field experience. Prerequisites: EDUC 0220, EDUC 0221 and PSYC 0202.

EDUC 0321 THE MIDDLE SCHOOL AND ITS STUDENTS (3) Research has indicated that middle school students have unique needs because of the rapid changes that occur during this age. This course is designed to help you understand the cognitive, physical, emotional, social and moral development of the early adolescent both with and without special needs. Understanding growth and development is the first step to designing a school that meets young adolescent needs. These needs must be translated into appropriate school practices in order for the middle school concept, interdisciplinary planning, team teaching, the integrated and integrative curriculum, cooperative learning, advisory groups, the exploratory curriculum, peer mediation and appropriate instructional and classroom management strategies for the middle school student.

EDUC 0323 FIELD EXPERIENCE I (1) This is a pre-practicum to be taken concurrently with Principles of Teaching I. Students will apply the learnings and principles in a field setting. Students will use these opportunities to establish their competencies required for certification. Prerequisite: Junior status or permission of instructor.

EDUC 0324 FIELD EXPERIENCE II (1) This is a pre-practicum to be taken concurrently with Principles of Teaching II. Students will apply the learnings and principles learned in a field experience setting. Students will use this opportunity to establish their competencies required for certification.

EDUC 0326 LISTENING AS AN ASPECT OF READING (3) The purpose of this course is to acquaint the teacher with listening as a vital area of the total language arts program. Listening as one of the major tools in learning and communication is explored. The course concerns itself with the nature of listening, listening in the total curriculum, and creating an environment for effective listening development. The course will also provide opportunity to develop resource materials such as tapes and games which would be applicable to practical teaching situations.

EDUC 0331 CREATIVE DRAMATICS IN A READING INSTRUCTIONAL PROGRAM (3) Deals with activities related to creative dramatics which can be integrated into literature and reading programs. Competence in using drama and in actual performance through assignments and projects that focus on creative dramatics, improvisations, role-playing, poetry, choral verse, and the adaptation of basal reader stories into play form.

EDUC 0334 WORD ANALYSIS SKILLS IN READING (3) Prospective reading teachers will acquire the skills of phonetic and structural analysis of words in order to teach independent word attack skills in reading. Designed to give each student experience in reading requirements and skills in teaching reading.

EDUC 0335 INDIVIDUALIZED INSTRUCTION IN READING (3) Students study and develop techniques for implementing an individualized program in reading for the elementary grades. Included are methods of diagnosing and assessing levels of competency of children, procedures for working in an individualized program and methods of evaluating progress and keeping records. This course examines the values of various approaches to individualized instruction such as programming, performance contracting and media oriented learning centers. Prerequisite: EDUC 0303 or permission of instructor.

EDUC 0336 PRACTICUM EARLY CHILDHOOD K-3 (First 8 weeks) (6) A minimum of 150 clock hours of supervised student teaching experience in grades K-3. Guidelines for evaluation are identified in the Westfield State College Student Teaching Handbook.

EDUC 0337 PRACTICUM EARLY CHILDHOOD K-3 (Second 8 weeks) (6) A minimum of 150 clock hours of supervised student teaching experience in grades K-3. Guidelines for evaluation are identified in the Westfield State College Student Teaching Handbook.

EDUC 0338 PRACTICUM: ELEMENTARY (1-6) (First 8 weeks) (6) A minimum of 150 clock hours of supervised student teaching experience in grades 1-6. Guidelines for evaluation are identified in the Westfield State College Student Teaching Handbook.

EDUC 0339 PRACTICUM: ELEMENTARY (1-6) (Second 8 weeks) (6) A minimum of 150 clock hours of supervised student teaching experience in grades 1-6. Guidelines for evaluation are identified in the Westfield State College Student Teaching Handbook.

EDUC 0342 SUPERVISION OF VOCATIONAL SCHOOLS (3) Discussion of various aspects of the vocational school program including co-curricular activities, scheduling, fiscal procedures, legal responsibilities, public relations, systematic environment, and other areas of relationships and interaction. Emphasis will be placed upon the interdependence of the component parts of modern vocational schools. On-site visits to selected occupational schools, research projects (group and individual), and evening discussion panels with members representing various parts of a school system will be part of the course requirements.

EDUC 0343 APPRAISAL AND EVALUATION TECHNIQUES IN OCCUPATIONAL EDUCATION (3) Appraisal of the development and significance of educational measurements as they relate to the vocational school student. Emphasis on uses and limitations of standardized tests; construction, validation and limitations of classroom tests; analysis, interpretation, and utilization of test results.

EDUC 0344 CURRICULUM DEVELOPMENT IN OCCUPATIONAL EDUCATION (3) Preparing valid job-related curriculum content to include cognitive, psychomotor and affective skills as well as techniques and resources for implementing a curriculum using competency based vocational education materials.

EDUC 0345 LABOR LAWS RELATING TO OCCUPATIONAL EDUCATION (3) Designed to augment the participant's understanding of the legal environment affecting students. Emphasis will be on laws affecting all teachers as well as on particular aspects of law (Torts, Negligence, National Apprenticeship Rules, Chapter 707, State Legislation, etc.) that relate especially to the participants.

EDUC 0347 PRINCIPLES AND PRACTICES OF OCCUPATIONAL GUIDANCE (3) The vocational guidance process in both the elementary and secondary public schools will be studied. Approaches include counseling, group guidance and class instruction, the use of standardized tests and interest inventories, and cooperation with families, employers and other agencies. Phrased especially for Vocational Education Students.

EDUC 0349 INTERPERSONAL RELATIONS AND CONFERENCE LEADERSHIP (3) An examination and analysis of interpersonal and group relations. An appraisal of the processes which produce greater self-awareness, heightened sensitivity to others, and improved human relations in classroom practice. Emphasis is placed upon learning to deal with individuals and groups with greater understanding and skill.

EDUC 0350 ORGANIZATION OF EARLY CHILDHOOD SETTINGS (3) An introductory course in the organization and implementation of pre-school curriculum, i.e. private-public- Head Start and Montessori programs for the very young child. Significant topics included in the course are: characteristics and stages of development of the normal and special needs young child, the study of the learning theories appropriate to the readiness skills of the pre-schooler and the examination of the curriculum programs integrating subject matter, i.e. reading, communication (oral and written), art, music, math, science, health and physical education. Participants will be expected to prepare a learning kit or appropriate activities for the pre-schooler in three (3) skill areas.

EDUC 0352 EDUCATIONAL PLANNING AND EVALUATION: MIDDLE SCHOOLS (3) Provides preparation for direct school experience at the middle level. Lesson plans, unit structures, methods and techniques of teaching, classroom management, test construction, interpretation and usage, the standards for provisional certification, form the basis of this course. Thirty hours of field experience is required. Prerequisites: EDUC 0220 and EDUC 0221.

EDUC 0353 EDUCATIONAL PLANNING AND EVALUATION: SECONDARY SCHOOLS (3) Provides preparation for direct school experience at the secondary level. Lesson plans, unit structures, methods and techniques of teaching, classroom management, test construction, interpretation and usage, the standards for provisional certification, form the basis for this course. Thirty hours of field experience is required. Prerequisites: EDUC 0220 and EDUC 0221.

EDUC 0354 EDUCATIONAL PLANNING AND EVALUATION: MIDDLE AND SECONDARY SCHOOLS (3) Provides preparation for direct school experience at the secondary level. Lesson plans, unit structures, methods and techniques of teaching, classroom management, test construction, interpretation and usage, the standards for provisional certification, form the basis for this course. Thirty hours of field experience is required. Prerequisites: EDUC 0220 and EDUC 0221.

EDUC 0355 PRACTICUM IN COMMUNICATION AND PERFORMING ARTS (6) A minimum of one hundred and fifty clock hours of supervised student teaching under the joint supervision of an experienced cooperating practitioner and college supervisors from the English and Education Departments.

EDUC 0359 CURRICULUM AND INSTRUCTION: MIDDLE SCHOOL GENERALIST (3) A developmental approach to the conceptual structure of modern middle school curriculum design and implementation. Curriculum organization and the forces affecting it will be considered. Students will be introduced to the major concepts of middle school curricula in social studies, science, mathematics, art and music, physical education/health, and drug and substance abuse. The relationship among the middle school disciplines will be demonstrated in a 30 hour required field experience at the middle school level. Prerequisites: EDUC 0220, EDUC 0221, EDUC 0321 and PSYC 0203

EDUC 0360 COMMUNITY SERVICE PLACEMENT (6) Involves eight or sixteen weeks of field work experience in selected area agencies. The work is related to the occupational interests of the student but does not lead toward teacher certification. Placement provides an opportunity for the student to apply, test, evaluate and integrate in a responsible professional activity the knowledge, attitudes and skills learned in the classroom.

EDUC 0364 PRACTICUM: MIDDLE SCHOOL (6) A minimum of one hundred fifty clock hours of supervised student teaching in a selected middle school under the joint supervision of an experienced cooperating practitioner and college supervisor. Prerequisite: Permission.

EDUC 0366 PRACTICUM: MIDDLE AND SECONDARY SCHOOL (6) A minimum of one hundred fifty clock hours of supervised student teaching in a selected middle school under the joint supervision of an experienced cooperating practitioner and college supervisor. Prerequisite: Permission.

EDUC 0367 IDENTIFICATION, ASSESSMENT, PLACEMENT, AND PROGRAMMING IN SPECIAL EDUCATION (Intensive) (3) Curriculum resources, methods and materials for children with severe special needs are developed on the basis of on-going diagnosis.

EDUC 0369 PRACTICUM: SECONDARY SCHOOL (6) A minimum of one hundred fifty clock hours of supervised student teaching in a selected secondary school under the joint supervision of an experienced cooperating practitioner and college supervisor. Prerequisite: Permission.

EDUC 0370 SPEECH AND LANGUAGE PROBLEMS OF THE SPECIAL NEEDS CHILD (3) Normal speech and language expectancies, problems of the special needs child in language acquisition, speech and hearing mechanisms. Speech and language pathologies, their incidence and etiology, Regulations of "766" and "94-142" regarding speech and language habilitation of difficulties.

EDUC 0371 IDENTIFICATION, ASSESSMENT, PLANNING AND PROGRAMMING (Special Needs Teacher) (3) Curriculum resources, methods and materials for children with moderate special needs are developed on the basis of on-going diagnosis.

EDUC 0373 CLINICAL EXPERIENCE (Moderate) (3) Advanced students are offered guided practicum experiences in selected schools for application of the theoretical foundations of the diagnostic-prescription approach to teaching pupils with moderate special needs. Each student is required to prepare an I.E.P. for a special needs pupil.

EDUC 0375 COMPREHENSIVE SERVICES IN SPECIAL EDUCATION (3) Home, school and community influences are analyzed in family adjustment to the presence of a handicapped child. Family reactions are considered in behavioral differences among children with various degrees of disability. Emphasis is given to guidance skills and knowledge needed by teachers and other professional workers in the field of Special Education.

EDUC 0376 STUDENTS WITH EMOTIONAL /DEVELOPMENTAL DISABILITIES (3) A developmental disability is a delay or failure to progress through the normal developmental milestones of childhood. The purpose of this course is to explore educational, social and legal issues that affect the opportunities of developmentally disabled individuals. Educational assessment and programming will focus on the developmental domains of motor, psycho-social, communication, cognitive functioning. A continuum of educational and community options will be described in order to acquaint the student with the least restrictive options needed to promote the growth of the developmentally disabled.

EDUC 0377 STUDENTS WITH SPECIFIC LEARNING PROBLEMS (3) Introduction to the history and current practices in the diagnosis and remediation of learning disabilities, major theories of etiology, commonly used assessment instruments, and remedial materials and methods. Research findings, issues and controversies in the field will be discussed.

EDUC 0378 CLASSROOM MANAGEMENT: STUDENTS WITH BEHAVIORAL/EMOTIONAL PROBLEMS (3) Psycho-educational assessment, identification, choice of intervention and management of children with special needs; behavioral difficulties, are main areas of study. The home, school, and community are considered in relation to the child's mental health. Prerequisites: EDUC 0220, EDUC 0221, and either EDUC 0352, EDUC 0353, or EDUC 0354.

EDUC 0380 MULTICULTURAL EDUCATION (3) Discussion of children from various ethnic, cultural, and linguistic backgrounds in terms of their physical, social, emotional, economic, psychological, and educational needs. Emphasis placed on causal factors as well as factors affecting successful educational practice. Racial identity theories and theories of multicultural education will also be reviewed.

EDUC 0381 EARLY INTERVENTION FOR YOUNG CHILDREN WITH SPECIAL NEEDS (3) The purpose of this course is to help students to gain an awareness of how early identification of handicapping or potentially handicapping conditions, along with appropriate remediation measures, can be the most beneficial way to help children to develop. The course will be divided into four main areas of study: rationale for early intervention and related legislation; research; casefind, screening and diagnosis; and intervention strategies and programs. Although the amount of the time spent in each area of study may vary, each area is of great importance in developing an understanding of the field.

EDUC 0385 DEVELOPING AND ADMINISTERING COMMUNITY BASED RESOURCES (3) Focuses upon the procedures and programs needed for providing an easier transition along the continuum (from institutions to independence) for handicapped individuals. Various options for living, working and schooling are discussed. This course stresses the development and management of resources that aid in "communitization".

EDUC 0386 EDUCATION AND TRAINING OF THE SUBSTANTIALLY HANDICAPPED CHILD (3) This course is a systematic study of neurophysiological deviations that cause severe disabilities. Emphasis is also placed on method and techniques for increasing motivation and improving performance. Students will develop an understanding of concepts and procedures necessary to write cooperatively with medical professionals, physical therapists, occupation therapists, communication specialists and parents.

EDUC 0387 CLINICAL EXPERIENCE IN SPECIAL EDUCATION (Intensive) (3) Advanced students are offered guided practicum experiences in selected clinics or agencies and residential institutions, for application of the theoretical foundations of the diagnostic-prescription approach to teaching pupils with severe special needs. Each student is required to prepare an I.E.P. for a severe special needs individual.

EDUC 0389 PRACTICUM: INTENSIVE SPECIAL NEEDS (6-12) A minimum of 300 clock hours (12 credits) of supervised student teaching experience in an approved setting for students in severe special needs.

EDUC 0395 CLINICAL EXPERIENCE IN READING (3) Advanced clinical opportunities to work with pupils/students, individually and in small groups, in corrective reading instruction, remedial reading instruction, and developmental reading instruction at various settings.

EDUC 0396 SEMINAR RECENT DEVELOPMENTS: COMPUTERS IN EDUCATION (3) This course requires no previous experience with computers and will be comprised of three major components: (a) an introduction to software tools for teachers, (b) exposure to and analysis of commercially available educational software and hardware, (c) an analysis of both practical and theoretical issues related to the use of microcomputers in education.

EDUC 0397 PRACTICUM: SPECIAL NEEDS TEACHER (6) A minimum of 150 clock hours of supervised. student teaching experiences with students having moderate special needs.

EDUC 0399 INDEPENDENT STUDY (3-9) Education majors are allowed to receive up to a maximum of nine academic credits, at the rate of three credits per semester, for engaging in independent study. Each study is taken as a part of a student's regular course load only. The student engaged in independent study will select and develop topics in the field of Education and related fields in cooperation with a professor from the Education Department, and the approval of the chair.

ENGLISH

English majors may choose from three distinct concentrations, each leading to a Bachelor of Arts degree: Literature, Theatre, and Writing. Students may earn provisional teaching certificates under two of these concentrations in Literature/Secondary Education and Theatre Arts/Education. Non-majors may also include in their programs one or more of the department's three: Literature, Theatre, and Writing. Department courses afford opportunities for developing the crucial verbal skills of analysis, synthesis, comprehensive and critical reading, extended and incisive writing, and clear thinking. In addition, English study provides, through rigorous analysis of major literary works, a unique experience in recognizing, evaluating, and articulating human values, motives, and qualities. New offerings in Theatre Arts education and Writing also encourage students to develop their talents in theatrical performance and creative writing.

Westfield State College offers students of English a fully equipped professional theater, access to the campus television and radio station, a weekly college newspaper staffed chiefly by journalism students, the latest word processing equipment, and a literary magazine publishing outstanding student writing. A popular and successful feature in the department is its internship program whereby students gain valuable on-the-job experience with television and radio stations, newspapers, a professional theater, social services agencies, and regional offices of national corporations.

Recent graduates majoring in English have accepted positions as teachers, reporters and editors, television staff members, theater directors, and corporate public relations officers. Some graduates have entered management training programs; others have gone on to graduate or professional schools.

FOR ALL ENGLISH MAJORS

1. A minimum of 39 credits is required within the English major.
2. Completion of at least two college semesters of one foreign language is required, unless during high school the student has (a) completed three years of study of one foreign language, or (b) completed two years of study in each of two foreign languages. A student may also satisfy the foreign language requirement by passing a proficiency examination designed and administered either nationally or locally.
3. Students who transfer into the English Major from other institutions must complete 21 hours in English at Westfield State College.

REQUIREMENTS FOR LITERATURE CONCENTRATION

The following courses are required of English majors, if they concentrate in Literature:

ENGL 0210, British Literature to 1603 (3)
ENGL 0211, British Literature, 1603-1780
or ENGL 0212, British Literature Since 1780 (3)
ENGL 0216, 19th-Century American Literature (3)
ENGL 0217, Modern American Literature (3)
ENGL 0317, Shakespeare: Tragedies and Histories (3)
One course in a major figure or period (3)
ENGL 0348, History of the English Language
or ENGL 0349, Structure of Modern English (3)
ENGL 0300, Development of the Novel (3)
A 0200 or 0300-level writing course (3)

The remaining 12 hours of electives are chosen from 0300-level English courses. ENGL 0211, British Literature, 1603-1780, or ENGL 0212, British Literature Since 1780, if not taken as a requirement, is the only 200-level course that may be used as an elective toward the major.

REQUIREMENTS FOR TEACHING ENGLISH IN MIDDLE AND SECONDARY SCHOOLS

Students wishing to be certified to teach English at the Middle or High School levels must complete the following:

All courses for the English major with the literature concentration
ENGL 0221 World Literature to 1750 (3)
ENGL 0106 Principles of Grammar (2-3)
The 18-credit secondary education sequence, described in the Education Department listings
ENGL 0350 (ENGL 0351) Methods of Teaching English in the Middle (Secondary) School (3)

ENGL 0338 Literature and the Adolescent, though not required, is recommended as an elective.

To be recommended for ENGL 0350 or ENGL 0351 Methods of Teaching English and the teaching practicum, students must have a 2.7 cumulative average in courses counting toward the Literature Concentration, 24 completed credits in Literature, and permission of the Program Coordinator.

NOTE: A MINIMUM CUM OF 2.7 IS REQUIRED FOR A PRACTICUM PLACEMENT.

REQUIREMENTS FOR THEATRE CONCENTRATION AND THEATRE ARTS/EDUCATION

THEATRE

This theatre concentration serves as preparation for those students who wish to prepare for careers in professional or educational theatre. Students concentrating in Theatre must complete at least 39 hours in Theatre Arts courses. Required courses are:

ENGL 0251 Theatre Arts (3)
ENGL 0252 Acting I (3)
ENGL 0254 Vocal Techniques for the Stage (3)
ENGL 0255 Directing I (3)
ENGL 0317 Shakespeare: Tragedies and Histories (3)
ENGL 0353 Theatre Workshop (6)
ENGL 0357 Acting II (3)
ENGL 0365 Dramatic Criticism (3)

ENGL 0366 Dramatic Literature (3)
ENGL 0369 History of Theatre Arts (3)

The remaining 6 hours of electives or two courses are chosen from the following; ENGL 0380 and ENGL 0399 are offered only after minimum electives have been completed.

ENGL 0318 Shakespeare: Comedies and Romances (3)
ENGL 0321 Irish Theatre (3)
ENGL 0336 Contemporary Trends in Dramatic Literature (3)
ENGL 0356 Stagecraft and Design (3)
ENGL 0358 Acting Seminar (3)
ENGL 0362 Research Seminar in Theatre (3)
ENGL 0364 American Drama (3)
ENGL 0367 Film Theory and Criticism (3)
ENGL 0368 Directing II (3)
ENGL 0370 Modern Drama (3)
ENGL 0371 Playwriting (3)
ENGL 0380 Practicum Internship (3-12)
ENGL 0381 Television Drama (3)
ENGL 0391 Special Studies in Film (3)
ENGL 0393 History and Development of the Motion Picture (3)
ENGL 0399 Independent Study (3)
MCOM 0332 Writing for Television (3)

THEATRE ARTS/EDUCATION

Those students who wish to teach courses in drama, speech and debate, and direct school performances in grades K-12 take the following courses for a total of 39 credits. Required courses are:

History, Criticism, Aesthetics
ENGL 0104 Introduction to Theatre (3)
ENGL 0369 History of Theatre Arts (3)
ENGL 0365 Dramatic Criticism (3)
ENGL 0366 Dramatic Literature (3)
One of the following:
ENGL 0317 Shakespeare: Tragedies and Histories (3)
ENGL 0364 American Drama (3)
ENGL 0370 Modern Drama (3)
ENGL 0387 World Drama (3)

Stagecraft, Production, Performance
ENGL 0251 Theatre Arts (3)
ENGL 0252 Acting I (3)
ENGL 0353 Theatre Workshop (6)
ENGL 0356 Stagecraft and Design (3)

Students are also required to take three of the following courses, with at least one course from three of the four different performance groupings:

Drama
ENGL 0254 Vocal Techniques for Stage (3)
ENGL 0255 Directing I (3)
ENGL 0357 Acting II (3)
ENGL 0368 Directing II (3)
ENGL 0371 Playwriting (3)

Films and Television
ENGL 0381 Television Drama (3)
ENGL 0391 Special Studies in Film (3)
ENGL 0393 Historical Development of Motion Pictures (3)
MCOM 0332 Writing for Television (3)

Speech
ENGL 0103 Speech (3)
ENGL 0250 Oral Interpretation (3)
ENGL 0361 Argumentation and Debate (3)
MCOM 0242 Speaking on Radio and Television (3)

Dance
MOVP 0215 Dance Fundamentals (3)

Students are also required to take the following educational methods courses:
EDUC 0220 Schools in American Culture (3)
EDUC 0221 Equity in Education (3)
PSYC 0203 Adolescent Psychology (3)
As well as:
EDUC 0354 Educational Planning and Evaluation: Middle and Secondary Schools (3)
ENGL 0363 Methods of Teaching Theatre Arts (3)
EDUC 0355 Practicum in Communication and Performing Arts (6)

Also recommended for this certificate are EDUC 0304, Reading and Creative Writing for the Classroom Teacher, and EDUC 0311, Creative Dramatics in a Reading Instructional Program.

REQUIREMENTS FOR WRITING CONCENTRATION

Students completing the Writing Concentration take six courses or 18 academic credits in the Literature area as defined below and seven courses or 21 credits in the Writing area for a total of 39 credits.

LITERATURE (18 credits)

ENGL 0210 British Literature to 1603 (3)
ENGL 0211 British Literature 1603-1780 or (3)
ENGL 0212 British Literature Since 1780 (3)
ENGL 0216 19th-century American Literature (3)
ENGL 0217 Modern American Literature (3)

Any two of the following genre courses:

Poetry:

- ENGL 0376 Modern British/American Poetry (3)
- ENGL 0382 Contemporary Poetry (3)

Fiction:

- ENGL 0300 Development of the Novel (3)
- ENGL 0311 British Novel (3)
- ENGL 0323 American Novel (3)

Prose:

- ENGL 0372 History of Prose (3)
- ENGL 0373 Literary Journalists (3)

Drama:

- ENGL 0317 Shakespeare: Tragedies and Histories (3)
- ENGL 0318 Shakespeare: Comedies and Romances (3)
- ENGL 0364 American Drama (3)
- ENGL 0366 Dramatic Literature (3)
- ENGL 0370 Modern Drama (3)
- ENGL 0387 World Drama (3)

Film:

- ENGL 0381 Television Drama (3)
- ENGL 0391 Special Studies in Film (3)
- ENGL 0393 History/Development of the Motion Picture (3)

WRITING: One course from each of the four groups is required with three other courses selected from any of the groups (21)

Fiction and Poetry:

- ENGL 0246 Creative Writing (3)
- ENGL 0345 Writing Fiction (3)
- ENGL 0346 Writing Poetry (3)

Non-fiction Prose:

- ENGL 0275 Journalism I (3)
- ENGL 0375 Journalism II (3)
- ENGL 0377 Feature Writing (3)
- ENGL 0388 Special Topics in Writing (3)
- ENGL 0392 Business/Technical Writing (3)
- ENGL 0394 News Editing (3)

Drama and Film:

- ENGL 0371 Playwriting (3)
- ENGL 0374 Writing for Film (3)
- MCOM 0332 Writing for Television (3)

Criticism:

- ENGL 0276 Writing About the Arts (3)
- ENGL 0330 Intro to Modern Literary Criticism (3)
- ENGL 0347 Advanced Critical Writing (3)
- ENGL 0365 Dramatic Criticism (3)

MINORS IN ENGLISH

Transfer students must complete 9 credits at Westfield, with 6 credits taken at the 0300 level.

REQUIREMENTS FOR THE LITERATURE MINOR

Students take 18 credits made up of the following courses:

- ENGL 0210 British Literature to 1603 (3)
- ENGL 0211 British Literature 1603-1780 or ENGL 0212, British Literature Since 1780 (3)
- ENGL 0216 19th-Century American Literature (3)
- ENGL 0217 Modern American Literature (3)
- Two of the following:
  - ENGL 0211 British Literature 1603-1780 or ENGL 0212 British Literature Since 1780 (whichever is not taken as a requirement) (3)
  - ENGL 0221 World Literature to 1750* (3)
  - ENGL 0222 World Literature Since 1750* (3)
  - ENGL 0317 Shakespeare: Tragedies and Histories (3)
- Any 0200 or 0300-level writing course (3)

*Course may not be used for both minor and core credit

REQUIREMENTS FOR THE THEATRE MINOR

ENGL 0353 Theatre Workshop (6) or its equivalent as determined by English Department faculty to be taken after any 12 credits offered under "Requirements for Theatre Concentration."

REQUIREMENTS FOR THE WRITING MINOR

Writing students take 18 credits. One course from each of the three groups below is required, plus three electives from any courses on the list.

Fiction and Poetry:

- ENGL 0246 Creative Writing (3)
- ENGL 0345 Writing Fiction (3)
- ENGL 0346 Writing Poetry (3)

Non-Fiction Prose:

- ENGL 0275 Journalism I (3)
- ENGL 0276 Writing About the Arts (3)
- ENGL 0347 Advanced Writing Techniques (3)
- ENGL 0375 Journalism II (3)
- ENGL 0377 Feature Writing (3)
- ENGL 0388 Special Topics in Writing (3)
- ENGL 0392 Business and Technical Writing (3)
- ENGL 0394 News Editing (3)

Drama and Film:

- ENGL 0371 Playwriting (3)
- ENGL 0374 Writing for Film (3)
- MCOM 0332 Writing for Television (3)

PRACTICUM

Of special interest to English majors is the Practicum in English, ENGL 0380, the counterpart to student teaching for students who intend to apply the English major in a variety of occupational settings. Through the Practicum, seniors can earn 3-12 college credits for on or off-campus work experience. Such experiences are often the beginning of lifetime vocational decisions and an added resourse to help compete in the job search.

COURSES

ENGL 0099 FUNDAMENTALS OF WRITING (no credit; meets 3 hours weekly) In this course students will study and practice the fundamentals of clear writing, with emphasis on grammatically correct sentence structure and effective paragraphs. Students take this course to prepare for the essay writing in ENGL 0101 English Composition I.

ENGL 0100 LEARNING ENGLISH AS A SECOND LANGUAGE (0) Designed to teach English language skills to students whose native language is not English. A thorough study is made of the American English sound system, sentence patterns, vocabulary, transforms, and modification. In addition, students will have an opportunity to study American culture through language habits.

ENGL 0101 ENGLISH COMPOSITION I (3) An intensive course in writing. Provides instruction and practice in the process of composing essays, including planning, drafting, revising and editing. Covers rhetoric, research methods, critical reading of texts, and sentence and paragraph development. ENGL 0101 must be taken during the first semester of the freshman year unless the student is enrolled in ENGL 0099 instead; it is a prerequisite for ENGL 0102. STUDENTS MAY DROP THIS COURSE ONLY UNDER EXTRAORDINARY CIRCUMSTANCES AND WITH THE SPECIAL PERMISSION OF THE WRITING COORDINATOR.

ENGL 0102 ENGLISH COMPOSITION II (3) An introduction to literature covering critical reading of fiction, drama and poetry. Provides instruction in writing about literature and research techniques. A research paper will be required. SUCCESSFUL COMPLETION OF THIS COURSE IS A PREREQUISITE FOR ALL 0200 AND 0300 ENGLISH COURSES OFFERED. ENGL 0102 must be taken during the second semester of the freshman year. STUDENTS MAY DROP THIS COURSE ONLY UNDER EXTRAORDINARY CIRCUMSTANCES AND WITH THE SPECIAL PERMISSION OF THE WRITING COORDINATOR.

ENGL 0103 SPEECH (3) A course that gives students an opportunity to practice the fundamental principles of oral communication. It includes experience in organizing and delivering various kinds of talks, participating in group and panel discussions, and evaluating speech habits. Voice quality, articulation and pronunciation are studied.

ENGL 0104 INTRODUCTION TO THE THEATRE (3) Acquaints interested students with the origins and nature of drama, dramatic literature and, in general, with major historical periods of Western theatre. Moreover, the theory and practice of the theatre arts of play writing, acting, directing, set and lighting design, theatre architecture, costuming and makeup, technical production and theatre management will be studied and considered in the light of their creative and cultural impact on playgoers and playreaders, past and present.

ENGL 0105 FRESHMAN ENGLISH SEMINAR (HONORS) (3) Designed as an ENGL 0101 substitute for freshmen with high verbal ability and well-developed writing skills. Emphasis is on analysis and writing of thematically organized assignments with complexities well beyond those usually considered in ENGL 0101. Permission of the Instructor.

ENGL 0106 PRINCIPLES AND APPLICATIONS OF GRAMMAR (2-3) Designed for but not limited to, students who have completed English Composition I but who need or want better understanding of, and improvement in, grammar, usage and mechanics. Reviews standard English principles and practice in fundamental areas such as sentence types and structures, clauses, modification, case, agreement, and punctuation. Meets for 150 minutes a week for two-thirds of the semester for two academic credits. The last third of the semester is optional for students who have completed the first part of the course and who want to practice applying grammatical principles in their writing for one credit.

ENGL 0110 ENGLISH COMPOSITION II (Honors) (3) Designed as a substitute for ENGL 0102 for students who have satisfactorily completed ENGL 0105 or shown marked ability in ENGL 0101. Focus on the critical and appreciative reading of fiction, poetry, and drama and on interpretive and analytical writing about literature at a level beyond that in ENGL 0102. Techniques of research are discussed and practiced. Permission of the Instructor.

ENGL 0120 PERFORMANCE STUDIES (3) Performance studies consists of a theatre ensemble performing dramatic works. It encompasses the process of script study and performance for an ensemble cast. The scripts will cover various genres, periods of theatre history, and acting styles. The format will include stage and radio productions as well as readers' and children's theatre. The ensemble will perform both on and off campus. Membership by audition. Open to all students who qualify.

ENGL 0200 WRITING WORKSHOP (1-3) Designed for students in all majors, the workshop will develop skills in rhetorical techniques and provide practice in specific types of expository writing appropriate to many disciplines.

ENGL 0208 GREAT BOOKS I, II, III (1-3) Designed for non-English majors, this course will focus on one great work of literature for each third of the semester (4-5 weeks), with a total of three works covered, one in each of three self-contained units. Students may sign up for one to three credits depending upon how long they intend to remain in the course. Prerequisite: ENGL 0102.

ENGL 0210 BRITISH LITERATURE TO 1603 (3) English literature from Beowulf through Shakespeare. The chronological development of English literature will be stressed. Required of all English majors except those concentrating in theatre.

ENGL 0211 BRITISH LITERATURE, 1603-1780 (3) English literature from the early 17th century to the late 18th century (1780). The chronological development of English literature will be stressed.

ENGL 0212 BRITISH LITERATURE SINCE 1780 (3) English literature from the Romantics (1780) to the 20th century. The chronological development of English literature will be stressed.

ENGL 0213 MAJOR BRITISH WRITERS (3) Designed for non-English majors, the course consists of a study of the most prominent writers of English literature through representative selections. Prerequisite: ENGL 0101 and ENGL 0102.

ENGL 0215 MAJOR AMERICAN WRITERS (3) Designed for non-English majors, the course consists of a study of the most prominent writers of American literature through representative selections. Prerequisite: ENGL 0101 and ENGL 0102.

ENGL 0216 19TH CENTURY AMERICAN LITERATURE (3) Surveys the major figures of the century from Poe to James. Attention is directed toward the cultural and historical context of our literature. Required of all English majors except those concentrating in Theatre.

ENGL 0217 MODERN AMERICAN LITERATURE (3) A study of 20th century American literature in the light of significant social and literary trends. Featured are major authors from Dreiser to the present. Required of all English majors except those concentrating in Theatre.

ENGL 0221 WORLD LITERATURE to 1750 (3) A study of western and non-western literary masterpieces that have shaped modern thought and culture. Selections range from the classics through the 18th century. Prerequisite: ENGL 0101 and ENGL 0102.

ENGL 0222 WORLD LITERATURE SINCE 1750 (3) A study of western and non-western literary masterpieces from the 19th century to the present. Prerequisite: ENGL 0101 and ENGL 0102.

ENGL 0223 THE BIBLE AS LITERATURE (3) An examination of the Bible's legends, folk tales, songs, and historical narratives in relation to classical mythology as seminal ideas and themes in English literature.

ENGL 0225 THE SHORT STORY (3) Extensive readings of short stories of various periods representing different countries. Special attention is given to the theme and form of each story.

ENGL 0227 CONTEMPORARY LITERATURE (3) A study of various types of international literature since World War II and the influence of the period on such literature. Plays, different forms of fiction, and poetry are read and discussed.

ENGL 0228 INTRODUCTION TO SHAKESPEARE (3) Designed for students who are not majoring in English, this course provides a basic knowledge of Shakespeare's dramatic forms, poetry, characterization, theatrical method, and insight into human nature. No student may receive credit for this course if credit is received for either ENGL 0317 (Shakespeare I) or ENGL 0318 (Shakespeare II). Prerequisite: ENGL 0101 and ENGL 0102.

ENGL 0246 CREATIVE WRITING (3) For qualified students interested in identifying and developing their special writing abilities. The techniques of writing fiction, drama, and verse will be studied.

ENGL 0250 ORAL INTERPRETATION (3) Geared towards aiding those students interested in broadcasting, acting, or teaching careers. In an informal group setting, the student will pursue the heightening and sharing of his/her sensitivities in relation to a wide choice of written materials including drama, children's literature, documentaries, fiction, editorials, scripts, and poetry. At the same time, the course will concentrate on using and developing the full range of the voice as the vehicle to communicate the student's sensitivities and interpretations. Counts as a 0300-level elective for literature and literature/secondary education concentrations.

ENGL 0251 THEATRE ARTS (3) Students will understand the collaborative artists of the theatre and become adept in creating plans, plots, and cues sheets. A course in analysis and organization.

ENGL 0252 ACTING I (3) An introductory course in the art and craft of the actor designed to make the student aware of personal outer and inner resources and to provide the student with work habits and tools to approach the actor's task with understanding.

ENGL 0254 VOCAL TECHNIQUES FOR THE STAGE (3) Fundamentals of effective vocal production with special emphasis on interpretation.

ENGL 0255 DIRECTING I (3) A study of the process of play direction and practice in the staging of scenes from the most common styles of plays.

ENGL 0275 JOURNALISM I (3) An introduction to the technique of writing basic news stories. Students will also learn the basics of libel law and consider some of the ethical issues that arise in the practice of journalism. Students will pay close attention to models of professional writing in newspapers and news magazines.

ENGL 0276 WRITING ABOUT THE ARTS (3) An introduction to the techniques of reviewing and criticizing the arts. Students will read classic and contemporary reviews of drama, film, dance, architecture, painting, literature and music, and will review various contemporary works and performances. The course will be useful for students who would like a better understanding of aesthetics, of the contemporary arts, and of the techniques of effective writing. Prerequisite: ENGL 0102.

ENGL 0300 DEVELOPMENT OF THE NOVEL (3) A study of the novel as a literary form from the eighteenth century to the present. Emphasis will be on the shaping influences of the English novel of the 18th and 19th centuries. Among the works which may be included are those of Richardson, Fielding, Sterne, Austen, Eliot, Dickens, and Hardy. Twentieth-century innovations in the form will be considered through such writers as Joyce, Lawrence, and Faulkner. Novel theorists such as Flaubert, James, and Ortega may also be included.

ENGL 0311 THE BRITISH NOVEL (3) A study of the development of the novel as a genre, its literary origins and its relationship to society. Readings begin with 18th-century novelists such as Defoe, Richardson, Fielding, Smollett, and Sterne and continue with 19th-century representatives: Austen, Dickens, Eliot, Hardy, and Conrad.

ENGL 0313 MEDIEVAL ENGLISH LITERATURE (3) A study of the outstanding English literature of the eighth through fifteenth centuries. Poems, dramas, sermons, and other prose works will be studied in their literary and historical traditions perspectives.

ENGL 0314 MILTON (3) A study of the man and his works including Paradise Lost and selected poetry and prose.

ENGL 0315 17th CENTURY ENGLISH LITERATURE (3) Literature of this period from Donne and Jacobean drama to Marvell and Dryden.

ENGL 0317 SHAKESPEARE: TRAGEDIES AND HISTORIES (3) A study of the tragedies and histories of Shakespeare including some consideration of his sources, his use of Elizabethan ideas, and his theatre.

ENGL 0318 SHAKESPEARE: COMEDIES AND ROMANCES (3) A study of the comedies and romances, including some consideration of Shakespeare's sources, his use of Elizabethan ideas and his theatre.

ENGL 0319 VICTORIAN LITERATURE (3) A study of literary responses to the impact of industrialism, science and modernism upon England's society and culture between 1830 and 1900. Readings include: Carlyle, Ruskin, Newman, Mill, Tennyson, Browning, Arnold, Dickens, Eliot.

ENGL 0320 CHAUCER (3) Readings will include The Canterbury Tales and other selected works.

ENGL 0323 THE AMERICAN NOVEL (3) Readings will include at least one major work of fiction by each member of a selected group of American novelists from the mid-nineteenth century to the present day.

ENGL 0324 BLACK AMERICAN LITERATURE (3) Critical study of the Black in American Literature from two vantage points: the new image of the Black in the works of major American writers, and the image of the Black and of Americans in work created by American Black writers. Prerequisite: 0200-level literature course.

ENGL 0326 LITERATURE BY AND ABOUT WOMEN (3) Students will read literary works that exemplify stereotypical roles of women and the non-traditional roles that suggest changing perspectives and portrayals. The aims of the course are to gain better understanding of individual works from different genres and eras and to increase awareness of the diversity of literary presentations of women by women. Prerequisite: 200-level literature course.

ENGL 0330 AN INTRODUCTION TO MODERN LITERARY CRITICISM (3) Examines significant types of literary criticism from classical theories to contemporary critical approaches. Among the types of criticism that may be included are New Criticism, Myth and Archetype, Freudianism, Structuralism, Deconstruction, Semiotics, and Feminism. Emphasis will be on the application of theories to specific literary texts.

ENGL 0332 ROMANTIC LITERATURE (3) A study of the prose and poetry of the major writers of the Romantic Age.

ENGL 0337 EUROPE AND WESTERN LITERATURE (FIELD STUDY) (3) A course designed to make the best use of firsthand experiences of the cultural legacy of Western Europe (performing arts, museums, historical sites, etc.) as a means of gaining further insight into the values, meanings, and styles of major literary works in Western literature. Students will combine a two- or three-week period of organized and supervised travel in Europe with subsequent attendance at seminars and development of papers to articulate their newly acquired understanding of particular literary works.

ENGL 0338 LITERATURE AND THE ADOLESCENT (3) A detailed examination of the teaching of literature in the junior and senior high school, with emphasis on literature written expressly for adolescents. Attention will also be given to related matters: (1) the objectives and functions of literature study; (2) a pedagogical approach to major genres; (3) new approaches to literature study; (4) methods of teaching reading. In short, this course ought to aid teachers who wish to improve the way they teach literature to their students.

ENGL 0339 LITERATURE OF THE 18TH CENTURY (3) Students will study Dryden, Johnson, Pope, Swift, and other major writers of the century.

ENGL 0341 SEMINAR IN MAJOR BRITISH AND AMERICAN AUTHORS (3) A study of significant works by major literary figures. Each seminar will feature the works of one or two literary figures. The names of the figures will be announced in advance of the seminar and will be included in the course title.

ENGL 0344 STUDIES IN SATIRE (3) A study of the development of English satire to the present, examining its gradual and skillful integration of three basic elements: invective, burlesque, and irony. To avoid simplistic judgments, the course will include readings in both theory and practice.

ENGL 0345 WRITING FICTION (3) Advanced workshop in fiction. Emphasis on discovery of individual style, mastery of traditional forms and techniques, and exploration beyond conventions. Special attention given to organic development of theme, and postmodernist innovations. Prerequisite: ENGL 0246 or permission of the instructor.

ENGL 0346 WRITING POETRY (3) Advanced workshop in poetry. Emphasis on discovery of the individual voice, mastery of traditional forms and techniques, and exploration beyond conventions. Special attention given to imagery, uses of the subconscious, and the poetic sequence. Prerequisite: ENGL 0246 or permission of the instructor.

ENGL 0347 ADVANCED CRITICAL WRITING (3) Designed to develop formal writing ability on scholarly topics. Intensive library research will precede all writings. The goal of the course is to provide students with the research and writing skills necessary in the preparation of papers of publishable quality.

ENGL 0348 HISTORY OF THE ENGLISH LANGUAGE (3) A study of the development of English from its Indo-European origins to the present day, including an historical survey of changes in structure, sounds, and meaning.

ENGL 0349 THE STRUCTURE OF MODERN ENGLISH (3) A study of the origin and development of the English language with emphasis on its present structure and usage.

ENGL 0350 METHODS OF TEACHING ENGLISH IN THE MIDDLE SCHOOL (3) Preparation for teaching English in middle school through the following: study and observation of school structures, procedures, and teaching techniques; evaluation and selection of appropriate material for middle school students; preparation of lesson and unit plans; presentation of lessons; construction of tests; and evaluation of student writing. Prerequisite: 24 credits in the literature concentration of the major and permission of the instructor.

ENGL 0351 METHODS OF TEACHING ENGLISH IN THE SECONDARY SCHOOL (3) Preparation for teaching English in the secondary school through the following: study and observation of school structures, procedures, and teaching techniques; evaluation and selection of appropriate material for secondary school students; preparation of lesson and unit plans; presentation of lessons; construction of tests; and evaluation of student writing. Prerequisite: 24 credits in the literature concentration of the major and permission of the instructor.

ENGL 0353 THEATRE WORKSHOP (6) Daily and intensive course for experienced students. No two workshops are quite alike; a recent workshop presented a new play each week for ten weeks. Prerequisite: Permission of the instructor.

ENGL 0356 STAGECRAFT AND DESIGN (3) An extension of ENGL 0251 with emphasis on the visual poetry of the theatre. Projects in building and painting scenery and considerations of lighting design. Prerequisite: ENGL 0251.

ENGL 0357 ACTING II (3) Working on a role, students apply the elements of Acting I to text, character analysis, and performance. Scenes and short works will be performed for class criticism. Prerequisite: ENGL 0252.

ENGL 0358 ACTING SEMINAR (3) A culminating course designed to apply the skills acquired in introductory acting courses. The semester will be devoted to preparing, performing, and evaluating a theatre work for the public. Prerequisites: Acting I and Acting II or permission of instructor.

ENGL 0361 ARGUMENTATION AND DEBATE (3) Involves intensive study of persuasive argumentation debate procedures, and debate technique. Prerequisite: ENGL 0103.

ENGL 0362 RESEARCH SEMINAR IN THEATRE (3) Advanced research in theatre, including guided individual study of an approved topic. Members of the department will assist students whose special interests coincide with their specialized areas. Prerequisite: Permission of instructor.

ENGL 0363 METHODS OF TEACHING THEATRE ARTS (3) Designed to prepare students seeking certification in Communication and the Theatre Arts. Skills in critical, technical, and performing areas will be applied in a series of model productions and classes for different school levels. Students will observe and assist teachers in the appropriate areas. Prerequisite: Permission of instructor only. Students must have completed ENGL 0104, ENGL 0369, and required courses in Stagecraft, Production and Performance area; they must also be recommended by their performance area instructors.

ENGL 0364 AMERICAN DRAMA (3) Emphasis on the development of the dramatic form in America. Plays that are read and discussed demonstrate that there is a native American dramatic tradition and that experimentation is one of its characteristics. The plays also reflect significant development in and through culture.

ENGL 0365 DRAMATIC CRITICISM (3) Students read major historic and modern drama criticism and apply critical principles in writing reviews of area productions.

ENGL 0366 DRAMATIC LITERATURE (3) A critical evaluation of representative plays of the important periods of theatre, including outstanding plays of Greece, Italy, Germany, Sweden, Spain, Russia, England and the United States. An attempt is made to understand in depth the influence of the times upon the plays and authors studied. Prerequisite: ENGL 0369.

ENGL 0367 FILM THEORY AND CRITICISM (3) A study of the basics of film communication, various film modes and structure. A development of bases for evaluation of films according to communicative and aesthetic values will be a primary aim.

ENGL 0368 DIRECTING II (3) Through directing of at least one one-act play, class criticism, and analysis, students will learn the role of director as interpreter, organizer, teacher, and stage manager. Prerequisite: ENGL 0255.

ENGL 0369 HISTORY OF THEATRE ARTS (3) History of Theatre Arts is an interdisciplinary and historical study of the development, continuum and evolution of theatre arts from primitive ritual and the Greek Classical period until the 1990s in a world cultural context. The primary aims of this course are to enhance the students' historical perspective and familiarity with conventions, styles and vocabulary, as well as to encourage students' critical appreciation of the theatre arts.

ENGL 0370 MODERN DRAMA (3) Modern theatre is characterized by its international nature and its diversity of subject, style, and setting. This course will chronologically examine the development of modern drama from Ibsen to the present with specific attention to crucial social, political, and scientific influences and pivotal plays.

ENGL 0371 PLAYWRITING (3) Introduction to the craft recommended for students with some experience in both creative writing and theatrical production.

ENGL 0372 HISTORY OF PROSE (3) A study of the evolution of English language and style in non-fiction prose from the seventeenth century to the present. With a focus on the conventions of the essay tradition, course readings will also include some examples of journals, memoirs, biographies, and autobiographies. Selections will be made from such writers as Bacon, Burton, Addison, Steele, Boswell, Newman, Mill, Darwin, Thoreau, Douglass, Woolf, and from contemporaries. Prerequisite: 0200-level literature course.

ENGL 0373 LITERARY JOURNALISTS (3) An examination of a group of writers who have combined the traditional elements of fiction and non-fiction. The course will focus on the work of contemporary journalists and consider a number of writers who address critical theories that shed light on the development of literary journalism. Prerequisite: 0200-level literature course.

ENGL 0374 WRITING FOR FILM (3) This course will introduce students to screenwriting. They will first learn the syntax of film--the various kinds of shots and how those shots can be combined to create meaning or to tell a story. They will then learn how their own ideas can be transcribed into scripts. They will try their hands at three of the main modes of screenwriting: each student will write a brief documentary, and adaptation, and an original story. Students will also screen and discuss examples of these three kinds of movies. Prerequisite: MCOM 0332 Writing for Television, or permission of the instructor.

ENGL 0375 JOURNALISM II (3) An introduction to beat, specialized and advanced reporting. Students will try their hands at a variety of stories frequently assigned to reporters who have mastered the basic techniques of news writing. Prerequisite: ENGL 0275.

ENGL 0376 MODERN BRITISH AND AMERICAN POETRY (3) Reading and discussion of the foremost English and American poets of the 20th century. Special attention is given to the experimental forms and the modern thought of the poetry.

ENGL 0377 FEATURE WRITING (3) An introduction to writing feature stories for newspapers and magazines. Students will write a variety of newspaper features. They will also prepare and send a query (story proposal) to a magazine and write the story upon which the query is based. Prerequisite: ENGL 0275 or permission of instructor.

ENGL 0380 PRACTICUM IN ENGLISH (3-12) A practica internship program for senior English majors who want to gain rea experience in on-the-job training such as theatre, television, radio report writing, news writing, insurance underwriting, education editing, public relations, and advertising. Students will participate for a stipulated period under professional supervision and will be periodically observed by college faculty.

ENGL 0381 TELEVISION DRAMA (3) Because television actually has its own unique drama form and technique in contrast to those plays written for the theatre, this course will examine the various differences and the specific challenges for the television playwright. The student will study some of television's most critically acclaimed plays from the 1950's to the present. Included will be the works of such television dramatists as Paddy Chayefsky, Reginald Rose, Rod Sterling, Robert Crean, Ronald Ribman, Stanley Gray, and Loring Mandel. The original television scripts will be studied from teleplay anthologies now available in paperback. Prerequisite: six credits of literature courses.

ENGL 0382 CONTEMPORARY POETRY (3) A study of the most important movements, schools, poets, ethnic and regional styles, and international trends since the 1960's. Includes confessionalism, the New York School, surrealism and the New Formalism. Prerequisite: 0200-level literature course.

ENGL 0384 SPECIAL TOPICS IN JOURNALISM (3) An introduction to or an examination of journalistic writing and journalistic issues not dealt with in the basic curriculum. Past topics have included the new journalism writing for the editorial page and the first amendment. Prerequisite: ENGL 0275 or permission of instructor.

ENGL 0387 WORLD DRAMA (3) This course deals mainly with discussion, interpretation and critical evaluation of selective texts from the world's drama (from the Greeks to the present) emphasizing genres and periods. Consideration will also be given to the ideas, structures, styles, and techniques of dramatic literature.

ENGL 0388 SPECIAL TOPICS IN WRITING (3) An advanced course in writing based upon a common theme or subject.

ENGL 0391 SPECIAL STUDIES IN FILM (3) Intensive study of significant individuals, groups, topics, or movements in the development of film.

ENGL 0392 BUSINESS AND TECHNICAL WRITING (3) An dvanced course to teach effective writing techniques for specific pplication to business and industry. The course gives students xperience in preparing a variety of professional reports, letters, nd other documents. Students will leave the course with a portfolio f writing samples.

ENGL 0393 HISTORY AND DEVELOPMENT OF MOTION ICTURES (3) A study of the evolution of the motion picture as an nternational art form and social force. Students will make an nalysis of form, technique and impact of film. A selected creening of representative film styles and content will be made.

NGL 0394 NEWS EDITING (3) An introduction to the duties of ne copy editor. Students will work to refine the skills and art ecessary to news selection, editing, headline writing, design and yout. Prerequisite: ENGL 0275.

ENGL 0397 SPECIAL TOPICS IN LITERATURE (3) Focuses on a specific period, genre, writer, or group of writers, chosen in keeping with the instructor's field of specialization and in response to student interest. Prerequisite: a 0200-level literature course.

ENGL 0399 INDEPENDENT STUDY (3-6) Independent work in a field of special interest in either literature or language not covered by our regular course offerings. The student will be assigned a faculty member qualified to supervise the independent study project. The student must apply to the department Chair at least one semester in advance of the one during which he/she engages in the study and the project must be approved by the Department Curriculum Committee.

FOREIGN LANGUAGES AND LITERATURES

The Department of Languages offers a sequence of courses of graduated difficulty in the languages of five groups which have influenced our civilization: French, German, Portuguese, Italian and Spanish. In addition, we offer courses which introduce the student to the cultures of those peoples through lectures and readings in English. These courses are also part of the General Education core. From time to time other languages e.g. Chinese, Russian, Esperanto, have been offered for both credit and non-credit through the Division of Continuing Education.

The department offers the student the opportunity to gain a working knowledge of one or more languages through minor concentrations in French, German, Italian and Spanish. The minor consists of a minimum of eighteen credit hours including the 0103 and 0104 courses in each language. The major programs in French and Spanish require a minimum of thirty-six credit hours. These programs provide the student with a strong liberal arts education and an in-depth study of the language and cultural achievements of the French and the Spanish-speaking peoples.

A working knowledge of another language provides opportunities in business and commerce, government and social services and in professional careers.

REQUIREMENTS FOR FRENCH AND SPANISH MAJORS

FRENCH MAJOR

Requirements: a minimum of 36 credit hours including:

LFRE 0103 French III	(3)
LFRE 0104 French IV	(3)
LFRE 0200 French Conversation	(3)
LFRE 0201 Readings in French Literature	(3)
LFRE 0202 French Composition	(3)
LFRE 0203 French Civilization	(3)
LFRE 0300 French Literature I	(3)
LFRE 0301 French Literature II	(3)
12 credits of French electives	(12)

SPANISH MAJOR

Requirements: a minimum of 36 credit hours including:

LSPA 0103 Spanish III	(3)
LSPA 0104 Spanish IV	(3)
LSPA 0200 Spanish Conversation	(3)
LSPA 0201 Readings in Hispanic Literature	(3)
LSPA 0203 Spanish Civilization	(3)
LSPA 0204 Spanish-American Civilization	(3)
LSPA 0300 Spanish Literature I	(3)
LSPA 0301 Spanish Literature II	(3)
LSPA 0307 Spanish-American Literature I	(3)
LSPA 0308 Spanish-American Literature II	(3)
plus at least 6 credits of Spanish electives	(6)

COURSES TAUGHT IN ENGLISH

LANG 0101 INTRODUCTION TO THE STUDY OF LANGUAGE (3) An examination of the procedures used in the study of the phenomenon of language; a study of the structure of the world's most spoken languages; a history of the Indo-European language family.

LANG 0300 METHODS OF TEACHING FOREIGN LANGUAGES (3) Study of various approaches and methods of teaching foreign languages from both a historical and pedagogical perspective. Students learn to identify and use evaluative procedures to assess the effectiveness of instruction. Observation of secondary school classes, discussion, and writing of reports of fieldwork experience. A pre-practicum course required for French and Spanish teaching certification.
Prerequisite: Permission of instructor.

LANG 0301 PHONETICS (3) Introductory study of romance philology; diachronic and synchronic examination of French/Spanish; formation and practice of sound system plus patterns of stress, pitch, intonation, and linking. The course is mandated for the French/Spanish teacher certification. Prerequisite: LANG 0101 or permission of the instructor.

LCUL 0101 FRENCH CULTURE (3) An introduction to the people and ideas which have shaped the culture of the French-speaking world. No prerequisite.

LCUL 0102 GERMAN CULTURE (3) An introduction to the people and ideas which have shaped the culture of the German-speaking world. No prerequisite.

LCUL 0103 ITALIAN CULTURE (3) An introduction to the people and ideas which have shaped the culture of the Italian-speaking world. No prerequisite.

LCUL 0104 HISPANIC CULTURE (3) An introduction to the people and ideas which have shaped the culture of the Spanish-speaking world. No prerequisite.

FRENCH

LFRE 0101 FRENCH I (3) The first course in the French language sequence. An introduction to the sounds and basic grammatical structures of standard conversational French. Stress on oral comprehension and speaking as well as the reading and writing of simple grammatical patterns. Vocabulary is limited to about 400-500 of the most used words. No prerequisite.

LFRE 0102 FRENCH II (3) The second course in the French sequence. Stress on oral comprehension and speaking as well as the increased practice of reading and writing. Additional active vocabulary of 400-500 of the most common items. Prerequisite: one semester of college or one year of high school French.

LFRE 0103 FRENCH III (3) The third course in the French equence. Stress on oral comprehension, speaking, reading and vriting about topics dealing with contemporary life in the rench-speaking world. An additional active vocabulary of 400-500 ew words. Prerequisite: two semesters of college or two years of igh school French.

LFRE 0104 FRENCH IV (3) The fourth course in the French equence. Continued emphasis on the four language skills with pics about contemporary life. Additional vocabulary of 400-500 ew words. Prerequisite: three semesters of college or three years f high school French.

FRE 0120 INTENSIVE FRENCH I & II (6) A one semester ourse covering the material of both French I and French II. mphasis on speaking and understanding the spoken language.

FRE 0121 INTENSIVE FRENCH III & IV (6) A one semester ourse covering the material of both French III and French IV. mphasis on speaking and understanding the spoken language.

FRE 0200 FRENCH CONVERSATION (3) A course which nables the student to practice the vocabulary and the nversational patterns which have already been learned while panding both vocabulary (300-400 new items) and lf-expression. Prerequisites: LFRE 0104 or the equivalent.

FRE 0201 READING FRENCH TEXTS (3) Selected readings on intermediate level. The goal is the development of the student's cabulary and reading skills. Reading material will be drawn from rious appropriate sources. Prerequisite: LFRE 0104 or the quivalent.

FRE 0202 FRENCH COMPOSITION (3) A course which offers e student the opportunity to practice writing French. Assignments ll include the writing of expository prose, personal and business tters. Prerequisite: LFRE 0104 or the equivalent.

FRE 0203 FRENCH CIVILIZATION (3) An examination of the ements which have formed the culture of present-day society in e French speaking world. Special attention will be paid to the ople and ideas whose contributions embody the spirit of French ture. A working knowledge of French is required. Prerequisite: FRE 0104 or the equivalent.

FRE 0205 INTERMEDIATE CONVERSATION & OMPOSITION (3) An intermediate level conversation-mposition course; its goal is to help students develop their oral d written communication skills, and to learn about the attitudes d values inherent in French culture. Prerequisite: LFRE 0104 equivalent. (Pending final governance approval)

FRE 0300 FRENCH LITERATURE I (survey) (3) A survey of ench literature from the medieval era to the beginning of the neteenth Century; a critical analysis of selected works by the ding literary figures. Prerequisite: LFRE 0201 or the equivalent.

LFRE 0301 FRENCH LITERATURE II (survey) (3) A survey of French literature in the Nineteenth and Twentieth Centuries; a critical analysis of selected works by the leading literary figures. Prerequisite: LFRE 0201 or the equivalent.

LFRE 0308 CONTEMPORARY FRENCH CIVILIZATION (3) Focuses on contemporary French life from 1960 to the present, and various aspects of present-day French society and culture. The course is mandated for French teacher certification. Prerequisites: LFRE 0201, LFRE 0200, or permission of instructor.

LFRE 0311 FRENCH HERITAGE I (3) A chronological and thematic survey of the evolution of French culture and literature from the medieval era to the end of the 18th century, including the vocabulary of literary criticism and the art of *explication de texte*. Prerequisite: LFRE 0200 and LFRE 0201, or equivalents, or permission of instructor. (Pending final governance approval)

LFRE 0312 FRENCH HERITAGE II (3) A survey of the esprit français as expressed by French culture and literature of the 19th and 20th centuries, including the vocabulary of literary criticism and the art of *explication de texte*. Prerequisite: LFRE 0200 and LFRE 0201, or equivalents , or permission of instructor. (Pending final governance approval)

LFRE 0340 SPECIAL TOPICS IN FRENCH (3) An in-depth study of a limited or specialized area within French literature or culture. Course content will vary according to the area of specialization of the instructor and the interests of the students. May be repeated if course content differs.

LFRE 0399 INDEPENDENT STUDY (3) A course offered by special arrangement to the student interested in studying a specific aspect of French literature. A reading knowledge of French is required. Prerequisite: LFRE 0300 or LFRE 0301 or the equivalent.

GERMAN

LGER 0101 GERMAN I (3) The first course in the German language sequence. An introduction to the sounds and basic grammatical patterns of standard conversational German. Stress on oral comprehension and speaking. Vocabulary is limited to about 300-400 of the most used words and expressions. No prerequisite.

LGER 0102 GERMAN II (3) The second course in the German sequence. Stress on oral comprehension and speaking plus the reading and writing of simple sentence patterns. Additional active vocabulary of 400-500 new words. Prerequisite: one semester of college or one year of high school German.

LGER 0103 GERMAN III (3) The third course in the German sequence. Stress on oral comprehension and speaking, reading and writing about topics dealing with contemporary life in the German-speaking world. Additional active vocabulary of 400-500 new items. Prerequisite: one year of college or two years of high school German.

LGER 0104 GERMAN IV (3) The fourth course in the German sequence. Continued emphasis on the four language skills with topics drawn from contemporary life in German-speaking Europe. An additional vocabulary of 400-500 new items. Prerequisite: three semesters of college or three years of high school German.

LGER 0120 INTENSIVE GERMAN I & II (6) A one semester course covering the material of both German I and German II. Emphasis on speaking and understanding the spoken language.

LGER 0200 GERMAN CONVERSATION (3) A course which enables the student to practice the vocabulary and conversational patterns which have already been learned while expanding both vocabulary (300-400 new items) and self-expression. Topics will be taken from newspaper and magazine articles dealing with current issues. Prerequisite: LGER 0104 or the equivalent.

LGER 0201 READINGS IN GERMAN LITERATURE (3) Selected readings on an intermediate level whose goal is the development of the student's vocabulary and reading skills. Reading material will be selected from the most current sources, and will include topics dealing with politics, business and commerce, the social scene and the arts. Prerequisite: LGER 0104 or the equivalent.

LGER 0399 INDEPENDENT STUDY (3) A course offered by special arrangement to the student interested in studying a specific aspect of German literature. A reading knowledge of German is required. Prerequisite: LGER 0201 or the equivalent.

ITALIAN

LITA 0101 ITALIAN I (3) This is the first course in the Italian language sequence. It is designed to introduce the student to the Italian language and to provide a foundation in both spoken and written Italian. Basic structures and vocabulary will be covered. No prerequisite.

LITA 0102 ITALIAN II (3) The second course in the Italian sequence will continue with more basic structures and will introduce short reading selections from contemporary works, as well as aspects of Italian culture. Prerequisite: one semester of college or one year of high school Italian.

LITA 0103 ITALIAN III (3) The third course in the Italian sequence will review and expand structures and vocabulary by means of conversations, compositions and oral reports in order to increase fluency in spoken and written contexts. Prerequisite: two semesters of college or two years of high school Italian.

LITA 0104 ITALIAN IV (3) The fourth course in the Italian sequence will continue to drill on structures and more advanced vocabulary so that by this time the student will be able to express himself in a correct and natural way. Emphasis will be put on phonetics. Prerequisite: three semesters of college or three years of high school Italian.

LITA 0200 ITALIAN CONVERSATION (3) This course enables the student to practice the vocabulary and conversational patterns which have already been learned while expanding both vocabulary and self-expression. Topics will be drawn from newspaper and magazine articles which deal with current issues. Prerequisite: LITA 0104 or the equivalent.

LITA 0399 INDEPENDENT STUDY (3) A course offered by special arrangement to a student interested in studying an aspect of Italian literature. A reading knowledge of Italian is required.

JAPANESE

LJAP 0101 JAPANESE I AND LJAP 0102 JAPANESE II (3 each) An introduction to the Japanese language. During the two semesters the fundamental grammatical structures of Japanese will be introduced. Students will also learn simple conversational patterns. The hiragana and katakana syllabaries will be learned and there will be an introduction to kanji and the use of Chinese character dictionaries in the second semester.

PORTUGUESE

LPOR 0101 PORTUGUESE I (3) The first course in the Portuguese language sequence. Stress on oral proficiency, writing and reading. Vocabulary is limited to about 300-400 of the most used words and expressions. Introduction to the cultures of Brazil and Portugal. No Prerequisite.

LPOR 0102 PORTUGUESE II (3) The second course in the Portuguese sequence. Stress on oral proficiency, writing, and reading. Additional active vocabulary of 400-500 new words. Introduction to the cultures of Brazil and Portugal. Prerequisite of one semester of college or one year of high school Portuguese.

LPOR 0120 INTENSIVE PORTUGUESE (6) A one semester course covering the material of both Portuguese I and Portuguese II. Emphasis on spoken and written Portuguese.

SPANISH

LSPA 0101 SPANISH I (3) The first course in Spanish for those who have never studied the language before. Through an introduction to both sounds and basic grammatical structures, it will provide the student with a foundation in both spoken and written Spanish. In this course the emphasis will be on oral comprehension and speaking, and acquisition of a limited, basic vocabulary.

LSPA 0102 SPANISH II (3) The second course in the Spanish sequence. Stress on oral comprehension and speaking will continue, along with increased practice in reading and writing, and enlargement of active vocabulary. Prerequisite: one semester of college or one year of high school Spanish.

PA 0103 SPANISH III (3) The third course in the Spanish uence will review and seek to expand students' understanding of mmatical structures. Increased emphasis on reading and writing ough materials dealing with aspects of the Spanish-speaking rld. Prerequisite: two semesters of college or two years of high ool Spanish.

PA 0104 SPANISH IV (3) The fourth course in the Spanish uence. Stress on reading and some practice in writing, and on acquisition of new vocabulary. The four language skills ening, speaking, reading and writing will be practiced in relation topics dealing with the Spanish-speaking world and with temporary life. Prerequisite: three semesters of college or three rs of high school Spanish.

PA 0120 INTENSIVE SPANISH I & II (6) A one semester rse covering the material of both Spanish I and Spanish II. phasis on speaking and understanding the spoken language.

PA 0121 INTENSIVE SPANISH III & IV (6) A one semester rse covering the material of both Spanish III and Spanish IV. phasis on speaking and understanding the spoken language.

PA 0200 SPANISH CONVERSATION (3) Conversation based n a wide variety of topics both extemporaneous and assigned. ctice with often used expressions and patterns of speech mon in a conversational style. The main objective is to develop ncy in speaking and ease in understanding. Prerequisite: LSPA 4 or the equivalent.

PA 0201 READINGS IN HISPANIC LITERATURE (3) ected readings on an intermediate level of difficulty to develop ding skills and increase vocabulary. An introduction to various ary forms and styles and the vocabulary necessary for literary lysis. Prerequisite: LSPA 0104 or the equivalent.

PA 0203 SPANISH CIVILIZATION (3) An examination of the es, conflicts and beliefs which have shaped Spanish culture. cial attention to major works in the visual arts, music and rature which embody the artistic achievements of Spanish lization. Oral and reading competence in Spanish is required. requisite: LSPA 0104 or the equivalent.

PA 0204 SPANISH-AMERICAN CIVILIZATION (3) An mination of the culture of Spanish America in both Colombian and modern times. Emphasis on the diversity of panic cultures in America and the artistic achievements of nish-American civilization. Special attention to Mexico, Puerto and contemporary issues in the Hispanic world. Prerequisite: PA 0104 or the equivalent.

SA 0205 SPANISH COMPOSITION (3) An opportunity to lop your own style in writing by putting words and sentences ther in accordance with the rules of Spanish grammar and oric. The student will practice sentence patterns of differing th and complexity. Stress will be placed on the solution of ific problems of Spanish composition. Prerequisite: LSPA 0104 e equivalent.

LSPA 0206 ADVANCED ORAL SPANISH (3) Intensive practice in speaking in a variety of formal and informal situations so that the student will gain self-confidence in expressing personal ideas in Spanish. Prerequisite: LSPA 0200 or the equivalent.

LSPA 0300 SPANISH LITERATURE I (survey) (3) A survey of Peninsular literature from the medieval era to the end of the Eighteenth Century; a critical analysis of selected works by the leading literary figures. Prerequisite: LSPA 0201 or the equivalent.

LSPA 0301 SPANISH LITERATURE II (survey) (3) A survey of Peninsular literature of the Nineteenth and Twentieth Centuries; a critical analysis of selected works by the leading literary figures. Prerequisite: LSPA 0201 or the equivalent.

LSPA 0306 CONTEMPORARY PENINSULAR LITERATURE (3) A study of Spanish literature from the generation of 1898 to the present. Prerequisite: LSPA 0301 or the equivalent.

LSPA 0307 SPANISH-AMERICAN LITERATURE I (survey) (3) A survey of Spanish-American literature from the colonial period to Ruben Dario; a critical analysis of selected works by the leading literary figures. Prerequisite: LSPA 0201 or the equivalent.

LSPA 0308 SPANISH-AMERICAN LITERATURE II (survey) (3) A survey of Spanish-American literature from Ruben Dario to the present; a critical analysis of selected works by the leading literary figures. Prerequisite: LSPA 0201 or the equivalent.

LSPA 0309 CONTEMPORARY SPANISH-AMERICAN LITERATURE (3) A study of selected major works from the period 1950 - 1970 (the "Boom"), with an emphasis on the novel. Prerequisite: LSPA 0308 or permission of instructor.

LSPA 0340 SPECIAL TOPICS IN SPANISH (3) An in-depth study of a limited or specialized area within Spanish/Latin American literature or culture. Course content will vary according to the area of specialization of the instructor and the interests of the students. May be repeated if course content differs.

LSPA 0399 INDEPENDENT STUDY (3) A course offered by special arrangement to the student interested in studying a specific aspect of Spanish literature. A reading knowledge of Spanish is essential. Prerequisite: LSPA 0300, LSPA 0301, LSPA 0307 or LSPA 0308 or the equivalent.

GEOGRAPHY AND REGIONAL PLANNING

The Department of Geography and Regional Planning offers Massachusetts' only Bachelor of Science Degree in Regional Planning, minors in Geography and Regional Planning, and the Cartography Certificate. Interdisciplinary in nature, the field of regional planning requires knowledge and skills from the areas of the applied geographic and environmental sciences, political theory and public policy, and computer applications. Many students are dual majors in Regional Planning and related concentrations.

Department courses in geographic thought cover the topical areas of earth science, culture-environment, locational and environmental analysis. The program's environmental concentration deals with the description and analysis of the earth's systems including the atmosphere, hydrosphere, biosphere and lithosphere. Our social planning tract provides an overview of cultural, social, and economic aspects of our relationship to the earth's environment.

Students in the Regional Planning major learn to analyze conflicts between land development and preservation. Land use problems are related to environmental pollution, community and economic development, urban design, recreation provision and transportation issues. A strong internship program has placed qualified students in public and private agencies specializing in land use, development, real estate, and environmental planning.

Recent graduates are employed as town planners or consultants for environmental engineering firms. Several graduates have utililized their skills in computer cartography and have become transportation planners. Many of our graduates have gone on to graduate schools across the country.

The Geography and Regional Planning Department has excellent facilities and equipment. Housed in Bates Hall are the computer multimedia laboratory, which contains remote sensing video and digital analysis equipment, various types of microcomputer hardware and software for cartography, and hardwire connections with the computer center's VAX hardware. Additional department facilities in Bates Hall include a cartography laboratory, physical geography laboratory room and a seminar room. The Wilson Hall weather center contains a computer link to a weather data computer, local meteorological sensors and weather satellite equipment capable of receiving up-to-date images of the earth from the geostationary weather satellites. All computer labs on campus have full Internet access which can provide regional planning students with census data, environmental resources and other information needed to prepare for a professional career.

REQUIREMENTS FOR REGIONAL PLANNING MAJORS

Recommended Preparatory Course Work (7 hours)

GARP 0101 Principles of Geography
GARP 0102 Physical Geography
GARP 0103 Physical Geography Lab

Regional Planning majors must complete a minimum of 36 credits in course work within the department or interdisciplinary courses, distributed according to the tracks below.

Regional Planning Shared Core - 9 hours: required

GARP 0105 Introduction to Urban and Regional Planning (3)
GARP 0106 Introduction to Environmental Analysis (3)
GARP 0391 Seminar in Regional and Environmental Planning (3)

Regional Planning Methodology - 9 hours; must include one graphic course and one quantitative course

GARP 0240 Spatial Analysis (3)
GARP 0241 Introduction to Cartography (3)
GARP 0242 Introduction to Computer Mapping (3)
GARP 0243 Introduction to Remote Sensing (3)
GARP 0340 Data Collection and Analysis (3)
GARP 0344 Geographic Information Systems (3)
GARP 0346 Quantitative Methods in Planning (3)

Social or Environmental Applications - 12 hours; any four courses listed in one track

Social Planning Track
GARP 0216 Urban Geography
GARP 0218 Recreational Geography
GARP 0225 Legal Issues in Zoning and Planning
GARP 0314 Transportation Geography
GARP 0317 ST: Social Geography and Planning
GARP 0351 Cities of the Third World

Environmental Planning Track
GARP 0215 Economic Geography
GARP 0219 Land Use/Resource Planning
GARP 0220 Landform Evaluation for Planners
GARP 0228 Environmental Impact Analysis
GARP 0236 Environmental Analysis II
GARP 0317 ST: Environmental Geography and Planning
GARP 0330 Climatology

Regional Planning Electives - 6 hours; any two courses listed below, or additional methodology or applications courses

GARP 0213 Travel and Tourism
GARP 0214 Behavioral Geography
GARP 0217 Global Issues of the Future
GARP 0315 Site Location Analysis
GARP 0350 Internship in Regional and Environmental Planning - (3-12 credits)
GARP 0399 Independent Study in Geography and Regional Planning (3-6 credits)

Alternative electives may be selected from among the following, with advisor approval:

BIOL 0201 General Ecology	(3)
BIOL 0202 Conservation	(3)
BIOL 0223 Environmental Legislation	(3)
BIOL 0316 Urban Ecology	(3)
CRJU 0206 Crime and the City	(3)
ECON 0301 State and Local Finance	(3)
ECON 0304 Economics of Urban Development	(3)
ENGL 0347 Advanced Writing Techniques	(3)
GARP 0200 Geography of Europe	(3)
GARP 0201 Geography of Africa	(3)
GARP 0202 Geography of North America	(3)
GARP 0211 Population Geography	(3)
GARP 0212 Political Geography	(3)
GARP 0230 Introduction to Meteorology	(3)
GARP 0300 Regional Geography of Europe	(3)
GARP 0301 Regional Geography of Africa	(3)
GARP 0308 Cultural Geography of Europe	(3)
HIST 0268 The City in American History	(3)
HIST 0269 Contemporary American City	(3)
HIST 0365 History of City and Regional Planning	(3)
POLS 0204 Introduction to Public Administration	(3)
POLS 0205 Urban Politics	(3)
POLS 0318 Public Management Skills	(3)

MINORS IN GEOGRAPHY AND REGIONAL PLANNING

The minor in Regional Planning is tailored to the particular interests of the student in the Regional Planning program. The minor requires a total of 18 semester hours of course work, including GARP 0105 and GARP 0106, any one course listed in the methodology section, and any three courses listed in the Social and Environmental Applications sections.

The department offers two (2) Geography Minors which require 18 semester hours. Principles of Geography (GARP 0101) is required in each minor. The student is advised of the courses related to specific interests from the courses listed below.

The Cultural-Regional Geography minor involves a specialization in a particular region of the world. The Applied Geography minor includes courses related to site location analysis and application.

APPLIED GEOGRAPHY

GARP 0101 Principles of Geography	(3)
GARP 0102 Physical Geography and Lab	(4)
GARP 0105 Intro Urban & Region Analysis	(3)
GARP 0213 Travel and Tourism	(3)
GARP 0214 Behavioral Geography	(3)
GARP 0215 Economic Geography	(3)
GARP 0216 Urban Geography	(3)
GARP 0230 Meteorology	(3)
GARP 0240 Spatial Analysis	(3)
GARP 0241 Cartography	(3)
GARP 0242 Computer Mapping	(3)
GARP 0243 Introduction to Remote Sensing	(3)
GARP 0314 Transportation Geography	(3)
GARP 0330 Climatology	(3)
GARP 0332 Geomorphology	(3)
GARP 0340 Data Collection and Analysis	(3)
GARP 0344 Geographical Information Systems	(3)
GARP 0346 Quantitative Methods in Planning	(3)

CULTURAL-REGIONAL GEOGRAPHY

GARP 0101 Principles of Geography	(3)
GARP 0102 Physical Geography and Lab	(4)
GARP 0201 Geography of Africa	(3)
GARP 0202 Geography of Anglo-America	(3)
GARP 0210 Cultural Geography	(3)
GARP 0212 Political Geography	(3)
GARP 0214 Behavioral Geography	(3)
GARP 0241 Cartography	(3)
GARP 0300 Geography of Europe	(3)
GARP 0302 Geography of North America	(3)
GARP 0330 Climatology	(3)

CARTOGRAPHY MINOR

Cartography deals with the theory, design, and production of maps and graphic information. The Westfield State College Cartography minor is designed to train students for jobs in the field of mapping, which include federal, state, and local planning agencies, as well as private institutions.

The program trains students in three distinct areas: map science, remote sensing, and applications. Students are given hands-on experience with state of the art map production equipment including computer graphics, aerial photography and digital data analysis equipment. A newly expanded Geographic Information Systems laboratory is found adjacent to the new PC computer labs in Bates Hall.

The minor is available to all students at Westfield State College. In particular, Computer Science, Business Management, Art, Criminal Justice and Biology majors would find the minor to be a valuable addition to their resumes. Successful completion of the entire program will meet federal employment requirements for Cartographer, GS-1370-5/15.

Required core classes for admission to the Cartography Minor (14 hours as prerequisite):

GARP 0101 Principles of Geography	(3)
GARP 0102 Physical Geography	(3)
GARP 0103 Physical Geography Lab	(1)
MATH 0104 Precalculus	(3)
MATH 0105 Calculus I	(4)

Required Courses in Cartography Minor (12 hours)

GARP 0242 Computer Mapping	(3)
GARP 0243 Introduction to Remote Sensing	(3)
GARP 0344 Geographic Information Systems	(3)
GARP 0346 Quantitative Methods in Planning	(3)

Two of the following as advised (6 hours):

GARP 0230 Meteorology	(3)
GARP 0342 Advanced Computer Mapping	(3)
GARP 0343 Advanced Remote Sensing	(3)
PHYS 0104 Physical Geology	(3)
PHYS 0133 Astronomy	(3)
ART 0206 Lettering and Layout	(3)

Others including Physics, Computer Programming, Computer Graphics, and Mathematics.

For more information about the Cartography Minor contact Dr. Robert S. Bristow, Department of Geography and Regional Planning, extension 5595.

INTERDISICPLINARY MINOR IN COMMERCIAL RECREATION AND TOURISM

The Economics and Management, Movement Science, and Geography and Regional Planning Departments offer an interdisciplinary minor in commercial recreation and tourism. A full description of the requirements for this minor is included in the Economics/Business section of the Bulletin.

COURSES

GARP 0101 PRINCIPLES OF GEOGRAPHY (3) An introductory course which introduces the student to the scientific principles of geography, including spatial organization, spatial diffusion, Central Place Theory, urban land use and human-environment interaction. Students also learn to interpret maps and do exercises in a variety of modern geographic topics such as migration, site location and computer mapping.

GARP 0102 PHYSICAL GEOGRAPHY (3) Analysis, through a conceptual approach of regional landform development, climatic patterns, vegetation distributions, soil groupings and factors influencing the location of major economic minerals. The man-land relationship will be emphasized. Extensive use of maps.

GARP 0103 PHYSICAL GEOGRAPHY LABORATORY (1) An optional laboratory session correlated with GARP 0102 Physical Geography. Conduct of this course will include field study and laboratory techniques. Map and aerial photographic interpretation skills will be emphasized. Prerequisite: Concurrent enrollment or previous enrollment in GARP 0102.

GARP 0105 INTRODUCTION TO URBAN AND REGIONAL ANALYSIS (3) Deals with the history of urban planning, planning theory and the specialty areas of planning, including physical, social and economic planning. Urban, regional and environmental issues are related to applications of solutions to land-use problems at the municipal, state and federal levels. Specific topics covered: innovative zoning techniques, land preservation strategies, governmental programs for housing and economic revitalization and comprehensive master planning

GARP 0106 INTRODUCTION TO ENVIRONMENTAL ANALYSIS (3) Introduces the interface of the human and natural environmental systems. Topics include air and water pollution, forest and wildlife preservation, risk assessments of floods and other hazards, urban climatology and various techniques of environmental assessment.

GARP 0200 GEOGRAPHY OF EUROPE (3) A regional geographic study of physical, economic, cultural and political patterns of Europe. Population patterns will be evaluated via sequent occupance studies. Assets and liabilities of individual states will be evaluated and discussed in an attempt to promote a better appreciation of the geographic structure of Europe.

GARP 0201 GEOGRAPHY OF AFRICA (3) A regional, physical and cultural geographic survey of Africa. A study of the distribution of land and people, physical environment, resources, settlement, and economic development. Special emphasis will be given to cultural elements. A geographic interpretation of the political and economic problems of emerging African States will be considered. Prerequisite: GARP 0101.

GARP 0202 GEOGRAPHY OF ANGLO-AMERICA (3) A physical and cultural survey of Anglo-America. A geographic interpretation of the settlement, resource development and problems of Anglo-America.

GARP 0210 CULTURAL GEOGRAPHY (3) An analysis of the man-land relationship as evidenced in the variety of culture worlds that exist. Special emphasis on growth of the population as well as the invention and diffusion of ideas.

GARP 0211 POPULATION GEOGRAPHY (3) Discusses the spatial distribution of the three major demographic variables, fertility, mortality and migration. Attention also given to US migration trends, the demographic transition, world economic development, geography of disease and the use of certain demographic techniques (e.g., population projections, etc.).

GARP 0212 POLITICAL GEOGRAPHY (3) International disputes over boundaries and resources, including internal conflicts over water rights; the Law of the sea; political manipulation of space (e.g., Gerrymandering, "redlining," redistricting, etc.); electoral politics and geographic expression of voting patterns on a national, regional, state and urban level.

GARP 0213 TRAVEL AND TOURISM (3) Surveys major world tourist areas, the role of the physical environment in tourism and recreation, trip planning, travel agency operations and recreational planning.

GARP 0214 BEHAVIORAL GEOGRAPHY (3) Behavioral geography focuses on the relationship (or interaction) between the geographic environment and human spatial behavior. Some major topics of the course include: how one's mental images of the environment influence spatial behavior; cognitive mapping, a study of human orientation in geographic space; preferences or evaluations of certain types of climates or landscapes; models of spatial decision making: e.g., migration decisions, human versus environment studies, hazard perception, personal space, and the affective bond between people and places. Prerequisite: sophomore standing.

GARP 0215 ECONOMIC GEOGRAPHY (3) An analysis of basic economic activities and the ways in which environmental factors affect them. Major emphasis is given to the differences between economies of abundance and economies of scarcity, with special emphasis on present world resource problems. This course may be taken as part of the requirements for Economic majors with the permission of both departments.

GARP 0216 URBAN GEOGRAPHY (3) A study of the urban setting through a geographical analysis of its social, economic, demographic, political and environmental problems. The structure of the course will allow the student to conduct independent research in areas where his/her main interests lie. Independent research will be prefaced with a short history of the origin, growth development and spread of urbanism. Prerequisite: permission of instructor.

GARP 0217 GLOBAL ISSUES OF THE FUTURE (3) Addresses a variety of conditions, problematical issues, and potential solutions confronting global society as we close in on the 21st century. Specific topics to be discussed include: future shock, the consequences of a "shrinking" world, urbanization and world cities, trans-national corporations, alternative and exotic energy sources, environmental quality, resource scarcities, geopolitical developments, space control and colonization, and emergent life-styles. Prerequisite: Sophomore standing.

GARP 0218 RECREATIONAL GEOGRAPHY (3) An introduction to the patterns of provision, use and management of recreation resources. Primary focus is on outdoor public recreation resources. Major topics include spatial analysis of physical setting, development of public needs, government policies, site management, economic and social concepts which impact on outdoor recreation planning. Special emphasis will be placed on the recreational resources of the New England region. Prerequisite: GARP 0101 or GARP 0102.

GARP 0219 LAND USE AND RESOURCE PLANNING (3) An analysis of land use within the urban area and a historical perspective on land use in America from colonial times to the present. Part two is devoted an in-field inventory of present day patterns of land use in a local urban area. The concluding segment of the course will involve analysis of the land use inventories to determine areas of conflicting land uses and to offer solutions to resolve these conflicts. Prerequisite: GARP 0102.

GARP 0220 LANDFORM EVALUATION FOR PLANNERS (3) This course provides students with a basic understanding of the physical setting in which planning is accomplished. The principles of landform analysis are intensively studied. Case studies involving natural hazards will be presented. Extensive use of maps. Prerequisite: GARP 0102.

GARP 0225 LEGAL ISSUES IN ZONING AND PLANNING (3) This course provides an overview of the land use/law field by introducing the student to the highlights of the history of zoning, and the impacts of courts case law on land use development decisions. The student will learn how to interpret and prepare land use court case review. Specific topics of the course include: how constitutional law governs land use decision making; the impacts of police power, eminent domain, and aesthetic controls on planning practice; and the effects of exclusionary practices on zoning districts. Prerequisites: GARP 0105, GARP 0106.

GARP 0230 METEOROLOGY (3) A nonmathematical introduction to weather science. Students are introduced to the basic elements of weather: earth-sun relations, temperature, winds and atmospheric pressure, humidity and precipitation, air masses, fronts, cyclogenesis, weather forecasting and storms. Students are also acquainted with the use of weather instruments.

GARP 0235 GEOMORPHOLOGY (3) An analysis of various processes of landform development, with emphasis on the delimitation of landform regions. Prerequisite: GARP 0102.

GARP 0236 ENVIRONMENTAL ANALYSIS II (3) Provides an advanced treatment of the problems created by the interfacing of natural and human systems in the environment. Special emphasis will be placed on problems unique to the New England context, including air and water pollution, waste management and the development of New England coastal areas. Prerequisite: GARP 0106.

GARP 0240 SPATIAL ANALYSIS (3) An introduction to the use of quantitative methods in the analysis of spatial distributions.

GARP 0241 INTRODUCTORY CARTOGRAPHY (3) A laboratory course which is designed to survey the field of cartography. An analysis is made of early map projections and the evolution of modern mapping techniques. Map intelligence, maps, and aerial photo interpretation will constitute a significant portion of the course. Emphasis will be given to the interpretation of data spatially. Each student will be introduced to the cartographic process and participate in the design, production and reproduction of various graphics.

GARP 0242 COMPUTER MAPPING (3) Student is introduced to the use of computer in automatic mapping operations, including the printing, plotting and color display devices. Student also learns map digitizing processes. No computer programming knowledge is required for the course.

GARP 0243 INTRODUCTION TO REMOTE SENSING (3) An introduction to the application of remote sensing techniques for the inventory and analysis of earth resources. Included are the treatments of exotic sensors, electromagnetic energy physics and data processing for digital classification techniques. Prerequisite: GARP 0102.

GARP 0305 REGIONAL GEOGRAPHY OF NEW ENGLAND (3) A study of the various physical features of New England: forms, climate, soil and vegetation, with an emphasis on natural resources and manufacturing.

GARP 0308 CULTURAL GEOGRAPHY OF EUROPE (3-6) A variable credit course for those students doing cultural geography fieldwork in Europe.

GARP 0314 TRANSPORTATION GEOGRAPHY (3) Deals with the evolution, significance, and underlying geographic principles of transportation, the theoretical bases of interaction, and the techniques of network analysis. The format of the course will allow the student to conduct independent research in the areas of interest. A significant portion of the course will introduce the student to computer-assisted techniques for transportation system analysis, although no student experience with computer operation is assumed. Prerequisite: GARP 0101.

GARP 0315 SITE LOCATION ANALYSIS (3) An introduction to the geography of locational analysis. Theories and methods of site locational analysis are introduced. Students are presented with case studies involving the best locations for various types of facilities, with special emphasis on business site location.

GARP 0316 AMERICAN SUBURBANIZATION (3) Examines post WWII expansion of American suburbs. The course traces the rise of suburbs as a dominant feature on the American metropolitan landscape and analyzes the political, economic, social, and cultural ramifications of suburban development on American city life. Prerequisite: GARP 0105.

GARP 0317 SPECIAL TOPICS IN GEOGRAPHY AND PLANNING (3) An in-depth study of a limited or specialized area within Geography and Regional Planning. Course content will vary according to the area of specialization of the instructor and the interests of the students. May be repeated if course content differs.

GARP 0320 INTERMEDIATE METEOROLOGY (3) Intermediate meteorology focuses on more advanced topics in meteorology with major focus on synoptic and mesocale meteorology. Emphasis on weather forecasting techniques including surface and upper air charts, use of numerical (computer) forecasting models (e. g. Limited Fine Mesh, etc.), analysis of radar and satellite imagery and severe weather analysis. Prerequisites: GARP 0230, junior or senior standing, and background in algebra.

GARP 0330 CLIMATOLOGY (3) A study of the processes and patterns of the world's climates. After a review of basic meteorology, the Koppen and Thorthwaite classification systems are discussed. The final portion of the course investigates applied climatology which includes: human biometeorology (climate and humans), agriculture climatology, climates past and future, and the effect of climate on transportation, architecture, business and the construction industry. Prerequisite: GARP 0230.

GARP 0331 SEVERE AND UNUSUAL WEATHER (3) Introduces students to the meteorological conditions associated with the formation of severe weather conditions, and examines the impact of hostile weather on human activities. Lectures focus on the Jet Stream and its role in the genesis of cyclones, blizzards, severe thunderstorms, lightning, hail, tornadoes, hurricanes, floods, droughts, cold and heat waves and bizarre weather phenomena such as dust devils, Chinooks, Haboobs, Santa Anas and mountain-adoes. Prerequisite: GARP 0102 or GARP 0230.

GARP 0340 DATA COLLECTION AND ANALYSIS (3) Introduces the collection of data in social research and the analysis of data using statistical computer software. Computer exercises deal with descriptive and multi-variate statistics, including measures of dispersion and central tendency, frequency counts, cross tabulations, chi-square and measures of association, t-tests, and correlation and regression. No prior computer knowledge is assumed. Prerequisite: Junior or senior status.

GARP 0341 ADVANCED CARTOGRAPHY (3) Advanced principles of cartographic design and map reproduction. Coverage of topics such as map projections, landform representation, reproduction processes and advanced principles of thematic mapping. Prerequisite: GARP 0241.

GARP 0342 ADVANCED COMPUTER MAPPING (3) Deals with the production of maps and graphics at a more advanced level. Particular attention given to a computer mapping packages that have three-dimensional capabilities. Prerequisite: GARP 0242.

GARP 0343 ADVANCED REMOTE SENSING (3) An advanced approach which provides students with an introduction to the application of remote sensing techniques for the inventory analysis of earth resources. Included are treatments of exotic sensors, electromagnetic energy physics and data processing for digital classification techniques. Prerequisites: GARP 0102 and GARP 0243.

GARP 0344 GEOGRAPHIC INFORMATION SYSTEMS (3) A geographic information system (GIS) is designed to accept, organize, statistically analyze, and display diverse types of spatial information that are digitally referenced to a common coordinate system. Included are steps for socio-economic and physical data acquisition, encoding, management, analyses and graphic display. Prerequisites: GARP 0243 and junior or senior standing or permission of instructor.

GARP 0345 GEOGRAPHY SKILLS AND THEMES FOR TEACHERS (3) This course updates basic geographic skills of teachers. The geographic themes of location, place, human-environmental interactions, movement, and regions are introduced, discussed and demonstrated. Emphasis is placed upon techniques for teaching concepts of spatial analysis. Prerequisite: GARP 0101 or permission of instructor.

GARP 0346 QUANTITATIVE METHODS IN PLANNING (3) Introduces students to a variety of statistical methods used in planning research. Classwork includes both lectures and PC-based computer analysis. Topics include measurement levels, frequency distributions, crosstabulations, chi-square, t-tests, regression, and correlation. Assumes no prior computer use. Prerequisite: Junior or senior status.

GARP 0350 INTERNSHIP IN REGIONAL AND ENVIRONMENTAL PLANNING (3-12) Students must apply for an internship to the Coordinator of Regional Planning one semester in advance of the one during which he/she will be scheduled to do the internship. Students who meet the criteria for internship status are matched with available options. Special interests and requirements of the skills of the internship position are taken into consideration in the assignment.

GARP 0351 CITIES OF THE THIRD WORLD (3) Discussion of growth and structure of selected third world cities as illustrations of process of urbanization. Specific third world regions will be studied around five basic themes: (1) evolution of urban systems and settlements; (2) internal structure and models of cities; (3) major distinctive or representative centers; (4) linkages of the region to the world system; (5) contemporary major urban problems and solutions.

GARP 0360 FIELD METHODS (3) Explores the basic methods used to make physical and socio-cultural observations or measurements in a spatial setting. Off-campus field work is required. Specific skills developed include map reading, aerial photographic interpretation, field sketch mapping, compass traverses, sampling, questionnaire design, interviewing, analysis and reporting. Prerequisites: GARP 0102, junior or senior standing.

GARP 0390 SEMINAR IN GEOGRAPHY (3) This seminar will be conducted by members of the Geography Department and will include guest lectures. It will focus on geographic methods, the interdisciplinary nature of geography, methods of inquiry and present trends.

GARP 0391 SEMINAR IN REGIONAL AND ENVIRONMENTAL PLANNING (3) Focus of the seminar is on the formulation and development of a plan which addresses a particular land use or growth management problem. Readings and discussion involve aspects of the master planning process. Projects involve environmental pollution impact studies. Independent research is conducted by collecting and analyzing data and recommending alternatives and solutions to the planning problem. Prerequisite: GARP 0105, GARP 0106, GARP 0340 or the permission of instructor.

GARP 0399 INDEPENDENT STUDY (3-6) A course by special arrangement in a specific theoretical or applied area in Geography or Regional Planning. A student may be assigned a series of readings and discussions, or and applied project in an area of environmental quality control, land preservation or design techniques.

HISTORY

The major in History is structured to provide undergraduates with an understanding of the past as well as to teach skills enabling them to attack any sort of problem, to ask appropriate questions, to assemble valid evidence, and to arrive at rational conclusions. Given such training, the student majoring in History is prepared for graduate work in history or law, or to pursue careers in international business, communications, teaching, government service, museum administration, social work, and library science. The department also has a fully-accredited teacher-training program, administered in conjunction with the Department of Education.

An integral part of the department is the Institute for Massachusetts Studies, which publishes the Historical Journal of Massachusetts as well as books related to the history and culture of the region. The Journal draws important contributors and reviewers nationally, and has a circulation of well over one thousand, including university and college libraries in the United States and in several foreign countries. Students serve on a board of student editors, and outstanding student research papers are occasionally published.

The campus supports an active chapter of Phi Alpha Theta, the National Honor Society in History, and qualified students are inducted into the society in the junior or senior year.

A number of internship opportunities allied to the study of American History are available. These include museum work at Old Sturbridge Village, the Holyoke Museum, the Basketball Hall of Fame, and the Connecticut Valley Historical Museum, and archival and library work at the Springfield City Library and the John Fitzgerald Kennedy Library in Boston.

HISTORY MAJOR REQUIREMENTS

I. Major core: 9 credits in 0100-level History courses.

II. Major advanced program: In consultation with a department faculty adviser, students will define a field of concentration within one of three areas: European History, American History, or Non-Western (Africa, Asia, Latin America) History. The concentration will consist of 18 credits in one of these three areas and will be supplemented by 12 credits in a different, but chronologically or topically related field, chosen from the two remaining areas.

Distribution of courses by level, concentration and allied area:

CORE FOR MAJOR (9 credits)

0100-level courses	(9)
HIST 0101 Western Experience I	(3)
HIST 0102 Western Experience II	(3)
HIST 0130 United States History & Government	(3)

FIELD OF CONCENTRATION (18 credits)

Twelve credits in 0200-level courses	(12)
Six credits in 0300-level courses	(6)

ALLIED FIELD (12 credits)

Nine credits in 0200-level courses	(9)
Three credits in 0300-level courses	(3)

Total credits in History Major 39

Descriptions of fields within the three areas noted above may be obtained from the History Department. Students interested in teacher certification MUST meet with the program director, to ensure that they enroll in courses which meet the requirements of that program.

CERTIFICATION FOR TEACHER OF HISTORY (5-9, 9-12)

Students wishing to be certified to teach History at the Middle or High School levels must complete the following:

All courses for the History major

The 18-credit secondary education sequence, described in the Education Department listings

HIST 0298 (HIST 0299) Methods of Teaching History: Middle (Secondary) School

NOTE: A MINIMUM CUM OF 2.7 IS REQUIRED FOR A PRACTICUM PLACEMENT.

COURSES

A. EUROPEAN

HIST 0101 WESTERN EXPERIENCE I (3) A survey of pre-modern (pre-1500 A.D.) Western civilizations. Major topics include: the "classical" societies of ancient Greece and Rome, the rise of Christian civilization in Europe, and the nature of medieval society and culture.

HIST 0102 WESTERN EXPERIENCE II (3) A multi-disciplinary approach to understanding the nature of modern (post-1500 A.D.) European civilization. Through lectures and discussions, students will explore demographic, sociological, political, and cultural elements of Europe's evolution from traditional to modern modes of activity and thought.

HIST 0201 MEDIEVAL EUROPE (3) The institutional, economic, and intellectual history of Europe as it emerged from its Roman and Germanic antecedents and developed into a distinctly western civilization. Emphasis will be placed upon the growth of medieval governmental institutions and the great intellectual achievement of the high middle ages.

HIST 0203 RENAISSANCE AND REFORMATION EUROPE (3) An examination of the "waning of the Middle Ages" and the "Dawn of a new era" in the light of recent historical research. The physical and psychological impact of the Black Death, the fascination with the classical past, the religious revolution and the possibility of individual creativity will be considered in the context of the scientific, social, and political assumptions of Europeans from the 14th through the 16th centuries.

HIST 0205 17th CENTURY EUROPE, 1559-1715 (3) The 17th century began with political chaos, economic dislocation, religious passion, and endemic violence. The century ended with political stability, economic viability, toleration, and pervasive skepticism. The course will examine the nature of these changes, with particular attention to the physical and psychological impact of 17th century warfare, the nature of scientific inquiry, and the reordering of 17th century monarchies.

HIST 0207 18th CENTURY EUROPE (3) An examination of the development of this great age which launched Europe on the path of Revolution. Important political and intellectual antecedents will be discussed. This will be followed by a thorough study of the ideas, institutions and society of 18th century Europe, culminating in the French Revolution of 1789.

HIST 0209 19th CENTURY EUROPE (3) An examination of the effects of the combined forces of nationalism, revolution and the Industrial Revolution upon the fabric of European political, social, and economic institutions. Special consideration will be given to drives for national unity in Italy and Germany, and their effects upon the European balance of power prior to World War I.

HIST 0211 EUROPE SINCE 1919 (3) An examination of Europe's efforts to recover from the first World War, to work out the self-determination policy of the Versailles Treaty to survive the great depression, and to resolve the conflicts which precipitated World War II. The course will also examine the post-war problems of the United Nations, the Cold War, the end of Imperialism, the common market, and new regional pacts.

HIST 0216 THE FRENCH REVOLUTION (3) This course will deal with the upheaval that effectively destroyed the age-old European hierarchical society and laid the foundation for modern political systems. The problem of the impact of ideas, the role of economic dislocation and political dysfunction as portents of revolution will be considered. Use will be made of the newer research into demography and crowd psychology as well as of the traditional literary and historical sources.

HIST 0223 WORLD WAR I: The "Real" War (3) War was expected and planned for in turn-of-the-century Europe. Almost no one, however, was prepared for a war so obscene by nature and in a dimension unparalleled in the previous history of modern Europe. An entire generation of young men and "of the best among them" of each of the major powers of Europe perished in the "Great" War as it is called by Europeans. The course will treat the causes, the course and the nature of the war. The impact of the war on contemporaries will be measured through biographical, autobiographical and other literary sources written by participants in, or close observers of, the war.

HIST 0225 LONDON AND PARIS, 1610-1870 (3) A study of the transition of two major European cities from walled towns defined by charters of liberties to metropolitan capitals. Two broad categories will be considered: first, the changing relationship between the town and the territorial state, with the disappearance of walls and the impact of population explosion; and second, the changing patterns of settlement within the town, the growth of slums, the effectiveness of city planning, and the inter-relation of town organization, crowd psychology and political revolution. Recent studies of urban demography, labor patterns and city planning will be used, as well as maps, pictures, memoirs and novels.

HIST 0231 MODERN BRITAIN, 1738 to WORLD WAR II (3) Explores a number of significant themes in the historical experience of Modern Britain; viz, the evolution of the social welfare state, the political and environmental impact of the industrial revolution, urbanization and demographic change, the political and social democratization of British society, the rise to great power status and the subsequent decline of Britain, and the impact of post-war economic and political organization upon traditional British structures and values.

HIST 0235 MODERN IRELAND, 1783 TO PRESENT (3) The major theme of the course will revolve around the origins, development, character and tactics of the Irish nationalist movement. The seventeenth century confiscations, the American and French Revolutions, the Emancipation and Repeal movements, the Great Famine, the Home Rule agitation, and the Irish cultural renaissance which combined to create a militant Irish nationalism, culminating in the 1916 Rebellion, will be the major issues examined. Secondary themes will be the decisive role of the Irish Question in molding British political and constitutional developments, the causes and significance of the recent violence in Northern Ireland, and the impact of the twentieth century modernization and the E.E.C. upon traditional Irish nationalism.

HIST 0239 HISTORY OF RUSSIA I (3) A survey of Russian civilization from its origins to the mid-nineteenth century. Major themes include: the rise of autocracy, serfdom, and empire, as well as the nature and achievements of Russian culture.

HIST 0240 HISTORY OF RUSSIA II (3) A survey of modern Russian civilization since 1881. Major themes include: the origins and consequences of the Russian revolutions, the nature of the Soviet system, the achievements of Russian and Soviet culture, and the US-USSR contest for world empire.

HIST 0300 PROBLEMS IN EUROPEAN HISTORY (3) Significant themes or issues in the evolving process of European Civilization examined in detail. May be taken three times for credit.

HIST 0305 ENGLAND AND AMERICA IN THE 17th CENTURY (3) Between 1620 and 1642, 58,000 Englishmen left home for the New World, despite its deserved reputation as a death trap. The course will examine in depth the motives both in terms of protest and aspiration of the emigrants, the impact upon them of the wilderness and the Indian, and the emergence of such specifically American institutions as the Puritan family, the town structure, and slavery. Discussion and independent research.

HIST 0309 THE COLLAPSE OF EUROPE, 1890-1922 (3) The period extending from 1890 to 1922 was witness to one of the most profound and sudden intellectual, cultural and political revolutions in the history of Western Europe. The Intellectual Revolution, taken together with World War I and the Russian Revolution, is often regarded as marking the end of an epoch in European history that started as early as the Renaissance and which took sharper form during the 18th century Enlightenment. The course focuses attention on the thought of European intellectuals during the period, and on the varying consciousness among them, of a sense of profound cultural change.

HIST 0315 LIVING AND DYING IN EUROPE, 1610-1870 (3) The course presents an introduction to the patterns of everyday life of ordinary Europeans before and after the "vital revolution" of the 18th century, a revolution which marked the shift from recurrent mortalities to population explosion. The relationship between the exploitation of resources and population in terms of family life, economic distribution, political organization and popular psychology will be examined. Much of the material is recent and controversial. The course will be conducted by discussion and students will be expected to do a considerable amount of independent research.

HIST 0340 RUSSIA IN REVOLUTION 1900-1930 (3) A study in detail of the revolutionary experience of Russia: three "revolutions" and a civil war within twenty years. The student will study the causes and effects of violent change, the origins for the Soviet state (theory and practice) and the terminology and method of Soviet historiography.

AMERICAN

HIST 0130 UNITED STATES HISTORY AND GOVERNMENT (3) A survey of the United States history tracing the growth of American institutions and interpreting periods and events of important national significance. Consideration will be given to the causes and results of wars, presidential administrations, great issues and changes in governmental attitudes.

HIST 0241 RESPONSE TO INDUSTRIALISM, 1877-1932 (3) Examines the rise of American industrialization and urbanization, the development of national movements of Progressive reform and labor organization, as well as the increasing importance of American involvement in world affairs. Prerequisite: HIST 0130.

HIST 0243 UNITED STATES HISTORY, 1932-PRESENT (3) Will provide the student with knowledge of the continuing evolution of the American welfare state, federal fiscal crises, the impact of technology upon the rural and urban environment, and the impact of science and technology on social and economic conditions. Prerequisite: HIST 0130.

HIST 0251 AMERICAN COLONIAL HISTORY 1607-1776 (3) The political, economic, and social development of the American colonies from the age of exploration to the Declaration of Independence. Topics include exploration, early settlement, and the development of the colonies through the coming of the American Revolution.

HIST 0255 THE AGE OF JEFFERSON AND JACKSON, 1776-1845 (3) A study of the American Revolution and its aftermath including the "critical period" and the drafting of the United States Constitution. Topics include the emergence of political parties, Jeffersonian and Jacksonian democracy, expansion and the War of 1812, and the emergence of sectionalism.

HIST 0257 THE CIVIL WAR AND RECONSTRUCTION, 1845-1877 (3) The causes of the War, the conduct of the war; the attempt at reconstruction in its political, social, and economic aspects; national reunification.

HIST 0260 UNITED STATES HISTORY 1877-1932 (3) An analytical portrayal of the American nation from the post-Reconstruction period through the beginnings of the Great Depression. Themes of study will include American industrialization, urbanization, Progressivism, and reform, economic development, and the increasingly important role of American involvement in world affairs.

HIST 0266 U.S. SOCIAL AND CULTURAL HISTORY I (3) An examination of American social and cultural developments from the early colonization to the Civil War. Topics to be studied include the religious history of colonial America, changing social and family life, entertainment, the impact of democracy and nationalism on American life, and the workers, north and south.

HIST 0267 U.S. SOCIAL AND CULTURAL HISTORY II (3) An examination of American social and cultural developments from the Civil War to the present, with projections for the future. Topics to be studied include industrialization, urbanization, immigration, changes in family and social relationships, religion, and a focus on women, Blacks, Indians, and minorities.

HIST 0268 THE CITY IN AMERICAN HISTORY (3) A study of the American city from colonial times to 1919. The course examines the impact of urbanization upon social and institutional structures. Topics include the rise of the city, transportation revolution, the impact of technology, industrialization, immigration, physical growth patterns, social mobility, reform, and the rise of city planning.

HIST 0269 THE CONTEMPORARY AMERICAN CITY (3) The American City since 1919 as studied through the forces that have shaped the contemporary city: the automobile, the highway revolution, metropolitan and megalopolis forms, ghettos, suburbanization, and city and regional planning. Particular emphasis will be given to the nationalization of the American City.

HIST 0270 PROBLEMS IN AMERICAN HISTORY (3) This course will offer readings and/or research in a specific prearranged topic in American history. Examples of the topics are sickness and health in American History, the Immigrant Experience, the Depression, etc. This course may be taken three times for credit.

HIST 0274 MASSACHUSETTS HISTORY TO 1820 (3) An examination of the history and society of Massachusetts from the period before the arrival of Whites to 1820. Major topics to be covered include the Puritan experience, Indian-White relationships, the Revolutionary era, Massachusetts under the Articles of Confederation, the early development of industrialization, and the War of 1812 and its aftermath.

HIST 0275 MASSACHUSETTS HISTORY SINCE 1820 (3) An examination of the history and society of Massachusetts from the early 19th century to the present time. Major topics to be covered include immigration and its impact on Massachusetts, industrialization, urbanization and suburbanization, the cultural flowering of the 19th century, the Civil War, the changing environment and economy, and the impact of technological developments in the post-World War II period.

HIST 0350 SENIOR SEMINAR: EARLY AMERICAN HISTORY (3) An in-depth research and/or reading experience in early American history, building upon the student's background and interests. The course will include discussion, criticism by classmates, analysis by the instructor. Prerequisites: two 0200-level courses in the field or equivalent.

HIST 0355 SENIOR SEMINAR: 19th CENTURY AMERICAN HISTORY (3) An in-depth research and/or reading experience in 19th century American history, building upon the student's background and interests. The course will include discussion, criticism by classmates, and analysis by the instructor. Prerequisites: two 0200-level courses in the field or the equivalent.

HIST 0360 SENIOR SEMINAR: RECENT AMERICAN HISTORY (3) An in-depth research and/or reading experience in recent American history, building upon the student's background and interests. The course will include discussion, criticism by classmates, and analysis by the instructor. Prerequisites: two 200-level courses in the field or equivalent.

HIST 0361 INTERNSHIPS IN AMERICAN HISTORY (1-15) A program centering on study and internship in various career fields allied to the study of American History. These may include museum work, historical restoration projects, local archaeology, archival work, and historical editing (editing is limited to 1 credit per semester, a maximum of 3 credits may be earned). While gaining practical work experience through the internship program, the student will also be undertaking a directed research project associated with the area of internship. Prerequisite: permission of director of internships.

HIST 0365 THE HISTORY OF CITY AND REGIONAL PLANNING (3) The development of the urban planning profession in America is studied from the 1890's to date. The course will analyze planners' responses to rising problems of land use, zoning, housing, suburbanization, environmental problems, highways, strips, malls and the larger requirements of metropolitan and regional need created by the evolution of urban form and structure.

C. NON-WESTERN

HIST 0150 INTRODUCTION TO NON-WESTERN WORLD (3) Provides a brief survey of the essential elements of the history and culture of the peoples of Asia and Africa. Includes an analysis of the roles played by Buddhism, Confucianism, Hinduism and Islam in developing the unique characteristics of the non-west; and a summary of the major historical events of China, India and Africa, as well as a study of the relations of these countries with each other.

HIST 0276 THE SPANISH EMPIRE IN AMERICA (3) The course will examine the Spanish discovery and conquest of America from Columbus to the 19th century revolutions for independence. Focal points will be the existence of the great Indian civilizations; the formation of Spain's American Empire; the Indian receptivity of Spanish culture; and the factors which contribute to the decline and fall of this most extensive of the European empires in the Western Hemisphere.

HIST 0277 LATIN AMERICAN NATIONS, 1825 TO THE PRESENT (3) The course focuses on the emergence of the Latin American countries, their common characteristics, their struggles for survival in the face of persistent dictatorships and military juntas, and the survival of colonial traditions which have both facilitated and impeded their development in the large community of nations.

HIST 0282 TRADITIONAL AFRICA TO 1807 (3) The history of Africa is to be surveyed from prehistoric times to 1807. Topics covered will include an introduction to the geography, peoples and culture of the continent. More specialized topics will include studies of prehistoric Africa, Africa and the classical world, formation and history of sudanic and savanna states, Bantu migrations, African states of the east coast, initial European contacts with continent, the slave trade and the beginnings of exploration.

HIST 0283 CONTEMPORARY AFRICAN HISTORY (3) The second half of the study of the history of Africa will be devoted to a survey of the period from the English and slave trade law of 1807 to the present. Topics covered will include the slave trade of the 19th century and its suppression, exploration of the continent, the impact of imperialism, the formation and administration of colonies, and the nationalist movements. There will be further specialized topics concerning modern Africa such as economic and political development, confrontation between the races, Africa in world affairs, and studies in depth of individual nations.

HIST 0286 TRADITIONAL FAR EAST (3) A study of the historical and cultural foundations of China, Korea, India, and Japan including their dynastic developments until the eighteenth century.

HIST 0287 CONTEMPORARY FAR EAST (3) Western contacts with Asia beginning with the eighteenth century, emphasizing the Chinese world view in the History of Asia, including the emergence of Modern China and Japan.

HIST 0290 PROBLEMS IN NON-WESTERN HISTORY (3) These courses are designed to focus the attention of the student on a specific problem within the scope of historical study the fields of Africa, Asia, or Latin America. The problems will be of contemporary interest; and they will include intensive research, readings, class discussions, and the production of a scholarly paper. The field and problem(s) will be designated prior to the semester in which the course is offered. This course may be taken 3 times for credit.

HIST 0291 EXPANSION OF EUROPE AND IMPERIALISM (3) The period to be covered will be 1415 to the present. This will include the formation of both the "old" and "new" empires, as well as a study of the modern relations between ex-colony and "mother country." Topics to be covered will be the initial European exploration and colonization of Asia and Africa as well as the "new world." The conflict of European nations leading to the loss of most of the "old" empire by England, France, Spain, Portugal and Holland will be traced. The remainder of the course will be devoted to a study of the causes of the growth of the "new" empire under the general term imperialism.

HIST 0292 MODERN MIDDLE EAST (3) A survey of the history of the Middle East from the First World War to the present, with special attention to the issues of conflicting nationalisms and change, as well as the significance of modern Islam.

HIST 0370 PROBLEMS IN AFRICAN HISTORY (3) Intensive guided research and presentations of written results in a scholarly manner on a major topic of historical interest in African studies. Topics such as nationalism, state formation and colonial institutions may be selected depending on research facilities and student interest. The major topic will be designated in advance of registration. The course may be taken three times for credit.

HIST 0373 MODERN LATIN AMERICA (3) An opportunity to study modern Latin America's struggle with elites, military and civilian juntas, regional pacts, and national security v. human rights since 1950. Lectures and directed readings will provide opportunities for in-depth special interest research and study.

HIST 0375 UNITED STATES LATIN AMERICAN RELATIONS (3) The course probes the Latin American response to questions of U.S. interference and influence of various types, and it will also examine the snared goals of the two areas. Specific examples will be discussed, e.g., the Cuban Revolution, the Panama Canal Treaties, Multinational corporations, United States aid and development projects, and Latin American relations with the non-aligned world.

D. GENERAL

HIST 0298 METHODS OF TEACHING HISTORY: MIDDLE SCHOOL (3) A practical experience for students planning a career as a middle school history teacher. This course will cover a variety of topics, including the development of goals and objectives, planning, questioning, inquiry teaching, reading and writing skills, the use of media as a teaching tool, simulation activities, and more. This course should be taken the semester prior to enrolling in the Practicum. Prerequisite: 36 hours in history and completion of all education courses.

HIST 0299 METHODS OF TEACHING HISTORY: SECONDARY (3) A practical experience for students planning a career as a secondary school history teacher. This course will cover a variety of topics, including the development of goals and objectives, planning, questioning, inquiry teaching, reading and writing skills, the use of media as a teaching tool, simulation activities, and more. This course should be taken the semester prior to enrolling in the Practicum.

HIST 0385 PSYCHOHISTORY (3) To explore the possible relationships between psychoanalytical theory, biography, and historical movements. An examination and evaluation of some of the works on psychohistory and psychobiography will be included. Theoretical questions concerning the relationships between psychobiology, psychoanalytical theory, and biographical traits will be viewed.

HIST 0399 INDEPENDENT STUDY I, II, III (3) Independent study consists of directed reading and research on an historical subject agreed upon by the student and instructor and approved by the Chair of the Department. Arrangements must be made with the instructor and Chair before registering for this course.

LATIN AMERICAN STUDIES MINOR

Consisting of 18 hours, this minor is designed to incorporate perspectives from a wide range of disciplines such as literature, history, women's studies, anthropology and politics. Accordingly, students will take two courses from each of three categories as follows: literature, language and the fine arts; history and philosophy; and the social sciences. The category in which LA 301, Seminar in Latin American Studies, is counted will depend on its topic in a given semester. Courses in addition to those given below may be added as appropriate when they are developed.

Mastery of the Spanish or Portuguese language should be an important goal for those intending to work or to pursue advanced study in an area related to Latin America. For the purpose of this minor students are required, prior to the beginning of the senior year, to attain intermediate-level competency in Spanish or Portuguese as judged by successful completion of the fourth semester of language study or equivalent experience.

COURSES

Courses for the minor may be chosen from among the following:

HIST 0277 Latin American Nations 1825 to the Present	(3)
HIST 0373 Modern Latin America	(3)
HIST 0375 United States-Latin American Relations	(3)
HIST 0399 Independent Studies	(3)
LSPA 0200 Spanish Conversation	(3)
LSPA 0204 Spanish American Civilization	(3)
LSPA 0206 Advanced Oral Spanish	(3)
LSPA 0307 Spanish American Literature I	(3)
LSPA 0308 Spanish American Literature II	(3)
LSPA 0309 Contemporary Latin American Literature	(3)
MUSC 0304 Afro-Caribbean Music	(3)
PHIL 0300 Seminar in Philosophy	(3)
PHIL 0333 Seminar in Interdisciplinary Studies	(3)
POLS 0323 Selected Topics in Political Science	(3)
POLS 0324 Third World Politics	(3)
MCOM 0316 Special Topics in Mass Communications	(3)
LAMS 0301 Seminar in Latin American Studies	(3)

Special topics, seminars, or independent studies courses may be applied to the minor when their content is appropriate and approved for a given semester).

COURSES

LAMS 0301 SEMINAR IN LATIN AMERICAN STUDIES (3) Readings about and discussion of issues, figures, movements, or perspectives on Latin America, to accompany independent research by the student. Topics which integrate various forms of study about the Spanish, Portuguese, and French-speaking peoples of the hemisphere will be emphasized. Prerequisite: introductory work in Latin American-related courses or equivalent.

LIBERAL STUDIES PROGRAM

Some students are unable to satisfy their educational goals within the existing structure of academic majors at Westfield State College for several possible reasons:

a) Broad career or educational goals which can only be met by interdisciplinary study.
b) Strong academic interests that cut across departmental lines.
c) A major unavailable in the field of primary interest.

For these students, the flexibility of the Liberal Studies major offers an opportunity to participate in designing an individual program of major studies which creatively integrates three areas of interest.

In the major, the three areas of concentration are chosen by the student with the approval of the Program Chair. These areas are not to be chosen haphazardly, but should be interrelated when viewed in perspective with the student's educational goals. For example, a student interested in a career in television reporting might choose to combine English with Mass Communication and Political Science; another with a passion for ancient Greek culture might combine Philosophy with History and Mathematics or Art; and the student interested in theatre production might select Speech and Theatre, Business Administration and Music. The possibilities for goal-oriented integrated programs are numerous.

The courses within each area of concentration are chosen by the student with the approval of the Program Chair, and should reflect a coherent, cohesive pattern. In addition, students are encouraged to choose electives in subject areas related to their areas of concentration.

Because of the individualized nature of each major program, special academic strength is expected. Students should have achieved a G.P.A. of 2.5 to be seriously considered for admission.

Students are accepted into the program only with the consent of the Program Chair.

REQUIREMENTS FOR THE B.A. IN LIBERAL STUDIES

1. The College Common Core: 40 hours.

2. The Major, consisting of a primary area of concentration, 18 hours; a secondary area of concentration, 15 hours; and a third area of concentration, 12 hours, for a total of 45 hours.

3. Electives totaling 35 hours.

REGULATIONS

1. There are three (3) areas of concentration in the B.A. in Liberal Studies Major, consisting of at least 18, 15 and 12 hours.

2. The areas of concentration may be selected from specific disciplines or from programs either free-standing or subsumed under a particular major which represent specific and distinct subject matters within a particular discipline.

3. Within each area of concentration, the selection of courses should not be random, but should reflect a coherent pattern designed by the student and approved by the Program Chair.

4. Students are expected to choose areas of concentration which are intellectually complementary.

5. Areas of concentration are restricted to those compatible with a Bachelor of Arts degree, and must be approved by the Program Chair.

6. Introductory level courses acceptable in the major itself are restricted to two courses.

REQUIREMENTS FOR THE B.S. IN LIBERAL STUDIES

The B.S. is designed to be an intellectually coherent interdisciplinary concentration providing study in two professional disciplines as well as a related liberal arts area.

1. The College Common Core: 40 hours.

2. The Major, consisting of three academic areas, two of five courses, one of four courses, with an additional elective course in any one of the areas for a total of 45 hours. No more than two courses on the introductory level can be taken in the entire major.

3. Electives totaling 35 hours.

REGULATIONS

The courses taken must be drawn from upper-level offerings arranged as below:

Two areas chosen from Business Management, Computer Science, and Criminal Justice.

And a third area chosen from Physical Science, Economics, Psychology, Mass Communication, Sociology, Political Science, Regional Planning, Biology, Mathematics, Art, Music, English, History, Philosophy, Modern Foreign Languages, Women's Studies, or Latin American Studies. Appropriate science-oriented Movement Science courses, or Education courses which have significant liberal arts components may be accepted. Such courses can be chosen from a list provided through the Liberal Studies Program.

MATHEMATICS

Mathematics is a subject with a history which stretches for thousands of years. It has been a major cultural force in Western civilization, serving as the foundation for scientific reasoning and forming the core of the major theories of physical science, as well as determining the direction and content of much philosophic thought. It has supplied substance to economic and political theories, has fashioned major painting, musical, architectural, and literary styles, has fathered our logic, and has furnished some of the best answers we have to fundamental questions about the nature of man and his universe.

Since Mathematics can be studied both as a pure discipline and as an applied discipline, the Department of Mathematics offers a major in mathematics, providing a foundation of pure and applied mathematics (suitable, among other things, for the preparation of high school teachers of mathematics). In addition, we provide courses which satisfy the college Common Core. Seventy percent of the faculty in this department hold terminal degrees in their field.

Students who major in Mathematics may wish to consider careers in actuarial science, secondary education, or further graduate work in mathematics. The study of mathematical sciences also provides a strong foundation for further professional education in a variety of areas.

Also, our Actuarial Preparatory Program recommends a sequence of courses in mathematics, economics, and management which are designed to prepare students for successful completion of the first three actuarial examinations.

REQUIREMENTS FOR MATHEMATICS MAJORS

Requirements (36 credits)

MATH 0105 Calculus I	(4)
MATH 0106 Calculus II	(4)
MATH 0118 Linear Algebra	(3)
MATH 0201 Calculus III	(4)
Seven (7) additional 0300-level mathematics courses	

CERTIFICATION FOR TEACHER OF MATHEMATICS (5-9, 9-12)

NOTE: A MINIMUM CUM OF 2.7 IS REQUIRED FOR A PRACTICUM PLACEMENT

Undergraduate mathematics majors who wish to be certified to teach Mathematics at the Middle or High School levels must:

Choose their math major electives to satisfy the mandated teacher certification competencies
Complete the courses that satisfy certification competencies with no grade lower than C
Complete the 18-credit secondary or middle school education sequence, described under the Education Department listings
Take MATH 0337 Foundations of Secondary and Middle School Mathematics

MATHEMATICS MINOR

The minor in mathematics consists of 18 hours of mathematics courses including:

MATH 0105 Calculus I
MATH 0106 Calculus II
No more than two (2) of the following:
- MATH 0104 Precalculus
- MATH 0110 Math Explorations
- MATH 0111 Math Applications
- MATH 0115 Math for Business and Social Science
- MATH 0150 Foundations/Sets and Logic

Note: MATH 0103 College Algebra may not be included in the minor.

COURSES

MATH 0103 COLLEGE ALGEBRA (3) First of a two- course sequence designed to prepare students for Calculus. Topics include the real number system; inequalities and absolute values: introduction to functions; exponents; linear, polynomial and rational expressions; introduction to graphing: exponential and logarithmic functions. Prerequisite: High School Algebra 1.

MATH 0104 PRECALCULUS (3) Topics covered include an in-depth discussion of functions; graphing; exponential and logarithmic functions; trigonometric functions; and analytic geometry and conic sections. Prerequisite: High School Algebra II or MATH 0103.

MATH 0105 CALCULUS I (4) A standard first semester course in calculus. Topics include limits and continuity, the derivative and its properties, applications of differentiation (maxima and minima, related rates), introduction to anti-differentiation, the definite integrals, and the fundamental theorem of calculus. Prerequisites: Four years of High School Math, including Algebra I and II and Geometry.

MATH 0106 CALCULUS II (4) A continuation of Calculus I. Topics include techniques of integration, applications of the integral, improper integrals, series and sequences, L'Hôpital's Rule, approximations of functions. Prerequisite: MATH 0105 or equivalent.

MATH 0108 ELEMENTARY STATISTICS (3) Intended to provide knowledge and computational skill in statistical procedures necessary to apply research techniques to problems in education, psychology, business and social sciences. The topics include nature of elementary statistics, nature of probability, sampling and sampling distributions, problems of estimations, tests of hypotheses, regression and correlation. Elective for non-mathematics majors. Prerequisite: High School Algebra II or MATH 0103.

MATH 0110 MATHEMATICAL EXPLORATIONS (3) An exploration of topics from elementary theoretical mathematics, including some of, but not limited to, the following topics: sets, logic, number systems, geometry, elementary number theory, and counting. Designed to give the liberal arts major an appreciation of mathematical reasoning and content. MATH 0110 and MATH 0111 may be taken in any order. Prerequisite: High School Algebra II or MATH 0103.

MATH 0111 MATHEMATICAL APPLICATIONS (3) A selection of topics from applied mathematics, including some of, but not limited to, the following topics: probability, statistics, solutions of linear equations and systems of linear equations, linear programming, computer programming, and consumer mathematics. Designed to give the liberal arts major an appreciation of the way in which mathematics can be applied in the real world. MATH 0110 and MATH 0111 may be taken in any order. Prerequisite: High School Algebra II or MATH 0103.

MATH 0115 MATHEMATICS FOR BUSINESS AND SOCIAL SCIENCES (3) A study of selected topics with particular emphasis on applications in business and social sciences. Topics include sets, probability, solution of equations, systems of linear equations, introduction to linear programming and, as time permits, an introduction to calculus. Prerequisite: High School Algebra II or MATH 0103.

MATH 0116 INTRODUCTION TO MATHEMATICAL SYSTEMS (3) Intended as a first course for students planning to major in mathematics. Emphasis in the course is on the structure of mathematical systems and methods of proof. Topics to be considered: logic and the nature of proof, sets, number systems, relations and functions, mathematical systems including groups and fields. Prerequisite: High School Algebra, Geometry and Trigonometry.

MATH 0118 LINEAR ALGEBRA (3) Study of fundamental concepts of linear algebra over the field of real numbers. Topics include solution of simultaneous linear equations, vector spaces, linear independence and dependence, basis, subspaces, linear transformations and matrices and their properties. Prerequisite: MATH 0104 or equivalent.

MATH 0127 CALCULUS WITH APPLICATIONS FOR BUSINESS AND SOCIAL SCIENCE (3) A study of differential calculus with an emphasis to business and economics. Topics will include: a review of algebra and functions, mathematical modeling, limits and differentiation, techniques of differentiation, max/min problems, graphing, business application, approximation, implicit differentiation and related rates, exponential and logarithmic functions, and growth models in business and economics. Prerequisite: High School Algebra and Geometry or MATH 0104.

MATH 0150 FOUNDATIONS: SETS AND LOGIC (3) Introductory course in the foundations of mathematics. Topics will include sets, logic, and problem solving. The topics of place value, relations, and functions will also be introduced. Students will develop a conceptual understanding of the course material and, through work with mathematics manipulatives, will explore the pedagogy of the subject. Prerequisite: High School Algebra II or MATH 0103.

MATH 0201 CALCULUS III (4) A continuation of Calculus II. Topics include vector functions and calculus of curves in space, differential calculus of multivariate functions, integral calculus of multivariate functions, polar, spherical and cylindrical coordinates, parametric equations, Cartesian coordinates, line and surface integrals. Prerequisite: MATH 0106 or equivalent.

MATH 0203 MATHEMATICS IN THE ELEMENTARY SCHOOL (3) Designed to reinforce the mathematical background and to enhance the effectiveness of the prospective elementary teacher. An integral part of the course is an investigation of the content, procedures, and materials of modern curricula for the elementary school. Prerequisite: MATH 0150.

MATH 0220 DISCRETE STRUCTURES (3) An introduction to discrete mathematical structures for Computer Science: discrete algebraic structures, algorithms and applications to structural programming and the analysis of algorithms; graphs, digraphs and applications to electrical and scheduling network; lattices, Boolean algebra and applications to switching theory. Prerequisite: CAIS 0120 and MATH 0118.

MATH 0237 MATHEMATICS TUTOR TRAINING SEMINAR (1) A training seminar for upper-class students involved with the Mathematics Peer Tutoring Program to meet the following three objectives: 1) presenting mathematics with understanding and flexibility; 2) recognizing, diagnosing, and remediating common math misconceptions, 3) becoming more sensitive to some of the affective issues arising both in tutoring relationships and for students struggling with mathematics. Prerequisites: MATH 0106, permission of instructor, and concurrent participation in the mathematics tutoring program. May be elected only once for credit.

MATH 0251 FOUNDATIONS: GEOMETRY (3) The study of the foundations of Geometry and Mensuration. Topics will include topological, projective, and Euclidean properties in 2- and 3- space; the development of the concept of measure in 2- and 3- space; and the introduction of measurement formulas. Students will develop a conceptual understanding of the course material and will work with mathematics manipulations. Prerequisite: MATH 0150 or equivalent.

MATH 0252 FOUNDATIONS: PROBABILITY AND STATISTICS (3) The study of the foundations of Probability and Statistics. Topics will include techniques for collecting, tabulating, and analyzing data, using probability principles, construction of histograms, hypothesis testing, and the formulation of inferences using principles of statistics. Students will develop a conceptual understanding of the course material and will work with mathematics manipulations. Prerequisite: MATH 0150 or equivalent.

MATH 0253 FOUNDATIONS: NUMBER SYSTEMS (3) The study of the real number system and its subsets. Topics will include the structure and properties of the whole, integer, rational and real number systems and the application of four-function calculators to problem solving and estimation. Students will develop a conceptual understanding of the course material and will work with mathematics manipulations. Prerequisite: MATH 0150 or equivalent.

MATH 0301 MODERN ABSTRACT ALGEBRA I (3) A study of groups, rings, integral domains and fields, with special emphasis on the real and complex fields. Prerequisite: MATH 0118.

MATH 0302 MODERN ABSTRACT ALGEBRA II (3) Polynomial rings, vector spaces, linear transformations, elementary theory of matrices and determinants. Prerequisite: MATH 0301.

MATH 0304 DIFFERENTIAL EQUATIONS (3) Geometric and physical meaning of differential equations. Theory and solution of first, second and higher order linear and non-linear differential equations. Initial and boundary value problems. Finite difference equations. Prerequisites: MATH 0201 and MATH 0118.

MATH 0306 MODERN GEOMETRY I (3) An integrated course consisting of intuitive, synthetic, and analytic approaches to Euclidean and other geometries. Topics will include axiomatic foundations, finite geometries, non-Euclidean geometries, and synthetic projective geometry. Prerequisite: MATH 0118.

MATH 0307 MODERN GEOMETRY II (3) Geometric and algebraic invariants, groups of transformations, topological, projective, affine and Euclidean transformations. Prerequisite: MATH 0306.

MATH 0308 INTRODUCTORY ANALYSIS (3) Topology of real numbers, Cauchy sequences, metric completeness, continuity, compactness, connectedness. Sequence and series and uniform convergence of infinite series. Derivatives and definite integrals. Prerequisite: MATH 0106.

MATH 0309 INTRODUCTORY TOPOLOGY (3) A simple, thorough survey of the elementary topics of point-set topology of the real line and plane topological spaces; metric spaces; mappings; connectedness; compactness. Prerequisite: MATH 0201, junior or senior status in the major or permission.

MATH 0311 THEORY OF NUMBERS (3) Properties of integers including congruences, primes and factorization, continued fractions, quadratic residues, linear diophantine equations and number theoretic functions. Prerequisite: junior or senior status in the major or permission.

MATH 0323 COMPLEX ANALYSIS (3) Algebra of complex numbers, analytic functions, Cauchy Riemann conditions, conformal mapping, line integrals, Cauchy integral formula, residue integration, Taylor and Laurent series. Prerequisite: MATH 0201.

MATH 0333 APPLIED STATISTICS AND EXPERIMENTAL DESIGN (3) A study of the application of computer programming to statistical procedures employed in empirical research and the interpretation of numerical results. Topics in statistics include: introduction to descriptive and inferential statistics, hypothesis testing, parametric and non-parametric tests (correlation, regression, the t-test, analysis of variance, and factor analysis). The underlying assumptions of several experimental designs will also be examined. Prerequisites: MATH 0108 or equivalent, and knowledge of at least one scientific programming language.

MATH 0334 OPERATIONS RESEARCH AND MODELING (3) A study of mathematical modeling and of the models of interest in operations research, which may include distribution problems, linear programming, the simplex method and applications. CPM, network problems, non-linear programming problems, Markov chains, queuing models, and simulation. Prerequisites: MATH 0118, MATH 0108, and knowledge of at least one programming language.

MATH 0335 INTRODUCTION TO NUMERICAL METHODS (3) Intended for majors in mathematics or computer science. Uses the FORTRAN language for numerical computation but no previous knowledge of FORTRAN is assumed. Standard algorithms of numerical analysis will be chosen from: systems of linear equations, differential equations, integration, interpolation, non-linear equations. Prerequisites: MATH 0118, MATH 0106 and knowledge of at least one programming language.

MATH 0337 FOUNDATIONS OF SECONDARY AND MIDDLE SCHOOL MATHEMATICS (3) Designed to build upon student's mathematics background, relating students' mathematical knowledge to understanding and teaching the middle or secondary school mathematics curriculum. Topics to be considered are: geometry, algebra, basic skills, number theory, probability and statistics and the use of calculators and computers in the classroom. A thirty (30) hour field experience is a course requirement. Prerequisites: Junior or senior status in the major or permission.

MATH 0340 MATHEMATICAL STATISTICS I (3) Covers mathematical probability theory including: review of set theory, principles of counting, sample spaces and probability functions, random variables, joint probability functions, discrete distributions and continuous distributions. Prerequisite: MATH 0106.

MATH 0341 MATHEMATICAL STATISTICS II (3) A systematic treatment of theoretical mathematical statistics assuming preparation in post-calculus probability theory. Topics covered include estimation, hypothesis testing, linear models, non-parametric methods. Prerequisite: MATH 0340.

MATH 0351 FOUNDATIONS: MEASUREMENT (3) An inductive approach to the development of the elementary components and theory of measurement. Topics will include: commensurable and incommensurable measures; the introduction of methods of geometric construction of line segments equal to rational and irrational numbers; an examination of the relationships between the basic units of measure for length, surface, space, and mass; an exploration of maximum and minimum problems that arise from the relationships between length, surface area, and volume; the use of approximation techniques for the measurement of non-polygon figures, including the determination of volume and mass by displacement. Prerequisites: MATH 0251 and MATH 0253.

MATH 0360 CURRENT TRENDS IN MATHEMATICS AND MATHEMATICS EDUCATION (1-3) Students will work individually with a professor on a project or activity relating to current innovations in mathematics or mathematics education. Potential sources for study include: evaluation of innovative textual materials, trends in media and technology development, evaluation of software, development of laboratory materials, attendance at professional conferences, review and analysis of journal articles, and the presentation of reports on individual and institutional research activities. Course may be taken up to two times with the permission of the department chair. Prerequisite: Permission of instructor.

MATH 0399 INDEPENDENT STUDY (1-6) Independent study of topics in mathematics under careful faculty supervision. Intended for capable students to broaden their mathematics program or to gain depth in a particular area of interest. Prerequisite: permission of instructor and Department Chair.

MOVEMENT SCIENCE, SPORT AND LEISURE STUDIES

The Department of Movement Science, Sport and Leisure Studies offers a major in Movement Science leading to a Bachelor of Science degree. The department also offers a diverse selection of elective courses (theory and activity) designed to meet the needs and interests of today's students.

SCOPE OF THE MAJOR PROGRAM

The undergraduate major program prepares the student with a foundation in the movement sciences enabling the student to pursue several career alternatives and/or graduate study. In addition to the thirty (30) semester hours in major courses, Movement Science majors are required to complete a concentration in either Sports Medicine, Health/Fitness, Physical Education Teaching Certification or Wilderness Leadership. Each concentration requires that the student satisfactorily complete 18 credits of specified courses and an internship. In lieu of an internship, students may select two upper level courses offered by the department.

Majors may choose more than one of the four concentrations or may, under advisement, and in addition to one of the four concentrations offered, design an individual program in such areas as sports journalism, sports broadcasting, or sports management.

The Movement Science Department also offers a minor in Wilderness Leadership and an interdisciplinary minor in Commercial Recreation and Tourism with the departments of Economics and Management, and Geography and Regional Planning.

MAJOR PROGRAM REQUIREMENTS

All Movement Science Majors must complete the thirty (30) credits of courses specified below with a grade point average of 2.5 and at least one concentration offered by the department.

MAJOR CORE CLASSES

MOVP 0104 Freshman Seminar	(1)
MOVP 0105 Foundations of Movement Science I	(3)
MOVP 0106 Foundations of Movement Science II	(3)
BIOL 0237 Anatomy and Physiology I	(4)
BIOL 0239 Anatomy and Physiology II	(4)
MOVH 0100 Health Related Fitness	(3)
MOVP 0202 Introduction to Motor Learning	(3)
MOVP 0203 Motor Development and Behavior	(3)
MOVP 0204 Analysis of Motion	(3)
MOVP 0205 Physiology of Exercise	(3)

CONCENTRATIONS

To be accepted for Advanced Standing to enter a concentration within the major, a student must attain a QPA of 2.5 in the major core area (30 credits). Once accepted into a concentration and in order to be accepted into an internship or clinical experience, a student must attain a QPA of 2.5 in the courses listed in the concentration. Placement in the Teaching Practicum requires a 2.7. Further, candidates for an internship, clinical experience, or teaching practicum must: 1) complete an application (available from advisor); 2) submit three (3) favorable recommendations from department faculty and two (2) favorable recommendations from supervising practitioners; 3) hold a current First Aid Certificate; 4) demonstrate student membership in a professional society for two years. Additionally, the student must submit a self evaluation which includes:

a. reasons for choosing the concentration.
b. contributions made or projected to the field.
c. strengths and/or weaknesses.
d. a resume listing activities of a professional nature.

The recommendations from the faculty and cooperating practitioners should provide evidence of proficiency as a leader and address perceived growth and contribution to the field of study.

SPORTS MEDICINE

MOVH 0103 Principles of Health and Wellbeing	(3)
MOVH 0212 Concepts of Nutrition	(3)
MOVP 0234 Evaluation of Upper Extermity Injuries	(3)
MOVP 0235 Evaluation of Lower Extremity Injuries	(3)
MOVP 0233 Exercise Injuries: Prevention and Treatment	(3)
MOVP 0323 Therapeutic Modalities	(3)
MOVP 0353 Clinical Experience* or two upper-level courses in major	(6)

*NOTE: A minimum GPA of 2.5 with Advanced Standing is required for a clinical placement.

Students in the Sports Medicine Concentration who are pursuing a career in athletic training must also meet any requirements established by the National Athletic Trainers Association and the Massachusetts Board of Allied Health Professions. Students in the Sports Medicine Concentration who are pursuing other areas of allied health must meet the prerequisites for further education in the various professions. Information on these requirements may be obtained from the Movement Science Department Office in Parenzo 214.

HEALTH /FITNESS

MOVH 0103 Principles of Health and Wellbeing	(3)
MOVH 0212 Concepts of Nutrition	(3)
MOVP 0183 Relaxation Techniques	(1)
MOVP 0233 Exercise Injuries: Prevention and Treatment	(3)
MOVP 0320 Fitness Assessment and Exercise Prescription	(3)
MOVP 0321 Supervising Sports/Fitness Programs	(3)

One of the following:
- MOVP 0181 Aqua Aerobics (1)
- MOVP 0185 Swimming for Fitness (1)

One of the following:
- MOVP 0162 Strength Training and Conditioning (1)
- MOVP 0109 Aerobics (1)
- MOVP 0114 Fitness for Adults (1)

And also:
- MOVH 0351 Internship in Health* or two upper-level courses in major (6)

*NOTE: A minimum GPA of 2.5 with Advanced Standing is required for an internship placement.

TEACHER OF PHYSICAL EDUCATION (ELEMENTARY OR SECONDARY)

- MOVP 0103 Introduction to Teaching Physical Education (1)
- MOVP 0260 (MOVP 0261) Analysis of Teaching Selected P.E. Skills I: Elementary (Secondary) (4)
- MOVP 0262 Analysis of Teaching P.E. Skills II (2)
- MOVP 0302 Measurement and Evaluation in P.E. (3)
- MOVP 0311 Adaptive Physical Education (3)
- MOVP 0313 (MOVP 0314) Physical Education Teaching Methodology: Elementary (Secondary) (3)
- MOVP 0316 Curriculum Planning and Implementation in P.E. (2)
- MOVP 0348 (0350) Practicum I: Elem(Secondary) * (6)
- MOVP 0349 (0351) Practicum II: Elem (Secondary)* (6)
- MOVP 0355 Practicum Seminar* (3)

Students may substitute 6 credits of upper-level courses in the major for the practica and practicum seminar.

NOTE: A minimum cum of 2.7 with advanced standing and a minimum grade of 2.7 in MOVP 0313 (0314) are required for a practicum placement.

Students seeking certification to teach physical education must also meet any standards mandated by the State Department of Education.

WILDERNESS LEADERSHIP
- MOVP 0199 Wilderness Experiences (3)
- MOVP 0245 Adventure Challenge Instructor (3)
- MOVP 0250 Techniques of Wilderness Leadership (3)
- MOVH 0101 First Aid and Emergency Care (1)

One of the following:
- BIOL 0100 Natural History of Massachusetts (2)
- BIOL 0201 General Ecology (3)

One of the following:
- MOVR 0301 Outdoor Recreation (3)
- EDUC 0312 Outdoor Education (3)

As well as three Activities from the following list: (3-4)
- MOVP 0137 Skin and Scuba Diving
- MOVP 0138 Boating and Canoeing
- MOVP 0139 Kayaking
- MOVP 0155 Ski Touring and Snowshoeing
- MOVP 0164 Bicycling
- MOVP 0167 Camping Skills
- MOVP 0172 Orienteering
- MOVP 0173 Initiative Games and Ropes
- MOVP 0180 Rock Climbing
- MOVP 0182 Life Guard Training
- MOVP 0184 Water Safety Instructor

Also required is:
- MOVP 0398 Internship in Wilderness Leadership* or two upper-level courses in major (6

*NOTE: A minimum GPA of 2.5 with Advanced Standing i required for an internship placement.

MINOR IN WILDERNESS LEADERSHIP

The Movement Science Department also offers a minor ir Wilderness Leadership. The requirements are the same as for the Wilderness Leadership Concentration, except an internship is not required, nor is completion of the major core required.

INTERDISICPLINARY MINOR IN COMMERCIAL RECREATION AND TOURISM

The Economics and Management, Movement Science, and Geography and Regional Planning Departments offer an interdisciplinary minor in commercial recreation and tourism. A full description of the requirements for this minor is included in the Economics and Management section of the Bulletin.

COURSES

MOVP 0103 INTRODUCTION TO TEACHING PHYSICAL EDUCATION (1) This course will provide initial exposure to school physical education programs and the opportunity to integrate concepts of the movement science courses with the curriculum in the schools. Field-based pre-practicum (30 clock hours) with classroom follow-up. Prerequisite: MOVP 0105 or MOVP 0106.

MOVP 0104 FRESHMAN SEMINAR/MOVEMENT SCIENCE (1) Designed to provide the student with an introductory study and critical analysis of the professional opportunities in movement science.

MOVP 0105 FOUNDATIONS OF MOVEMENT SCIENCE I (3) Designed to provide the student with the opportunity to examine the historical and philosophical foundations of human movement and sport.

MOVP 0106 FOUNDATIONS OF MOVEMENT SCIENCE II (3) Designed to provide the student with the opportunity to examine the sociological and psychological foundations of human movement and sport.

MOVP 0199 WILDERNESS EXPERIENCES (3) An introduction to wilderness activities which provide participants with a degree of challenge and excitement. Will include current information on the most popular activities, with attention given to the history, equipment needs, travel arrangements, safety and first aid procedures, physical skills, liability problems and environmental concerns. The theories behind these activities and the organizational methods for conducting them, will also be included.

MOVP 0202 INTRODUCTION TO MOTOR LEARNING (3) The study of significant variables which influence motor learning, i.e., transfer, cues, practice, reminiscences, perception, reaction time, motivation, reinforcement, etc. and the analysis of selective variables which affect the acquisition of motor skills. Prerequisite: PSYC 0101

MOVP 0203 MOTOR DEVELOPMENT AND BEHAVIOR (3) The scientific study of developmental patterns (psychomotor, cognitive and affective domains) of basic motor skills and structural components, growth processes and interrelationships/interactions of structure to function that influence motor behavior - infancy to old age. Prerequisite: PSYC 0101

MOVP 0204 ANALYSIS OF MOTION (3) Science of human motion, analysis of leverage in body movement and problems of readjustment in relationship to body mechanics and to physical activity as it is related to an understanding of skillful, efficient and purposeful human motion. A lab component is included. Prerequisite: BIOL 0237.

MOVP 0205 PHYSIOLOGY OF EXERCISE (3) Designed to investigate and understand the role that exercise (muscle activity) plays on the functioning of the human body and how the body responds to exercise. A laboratory component is included. Prerequisite: BIOL 0239

MOVP 0215 DANCE FUNDAMENTALS (3) The course is designed to introduce the student to a variety of dance forms. The student will be provided the opportunity to gain knowledge of the history of dance, the technical elements of selected dance forms and dance composition. The course meets for two hours of lecture and two hours of technique laboratory per week for the semester.

MOVP 0231 STRUCTURE AND FUNCTION OF THE LUMBAR SPINE AND LOWER EXTREMITY (1) This course is a laboratory experience designed to enable students to identify the structure and function of the lumbar spine and the lower extremity. Two hours lab per week for the semester. Prerequisite: BIOL 0239.

MOVP 0232 STRUCTURE AND FUNCTION OF THE CERVICAL SPINE AND UPPER EXTREMITY (1) This course is a laboratory experience designed to enable students to identify the structure and function of the cervical spine and the upper extremity. Two hours lab per week for the semester. Prerequisite: BIOL 0239.

MOVP 0233 EXERCISE INJURIES: PREVENTION AND TREATMENT (3) Provides the student with the knowledge of the general principles of athletic training. The emphasis of the course will be the prevention and management of exercise/sport injuries and conditions. Prerequisite: BIOL 0237

MOVP 0234 EVALUATION OF UPPER EXTREMITY INJURIES (3) This course will allow the student the opportunity to acquire the skills and knowledge needed to conduct a thorough clinical evaluation of injuries that commonly occur to the upper extremity in a sports/fitness environment.

MOVP 0235 EVALUATION OF LOWER EXTREMITY INJURIES (3) This course will allow the students the opportunity to acquire the skills and knowledge needed to conduct a thorough clinical evaluation of injuries that commonly occur to the lower extremity in a sports/fitness environment.

MOVP 0245 ADVENTURE CHALLENGE INSTRUCTOR (3) The operation, management and design of an Adventure Challenge Ropes Course. This includes liability responsibilities, group process, construction and maintenance, safety procedures and technical skill. Satisfactory completion will result in one year certification of Adventure Challenge Instructor at Westfield State College.

MOVP 0250 TECHNIQUES OF WILDERNESS LEADERSHIP (3) Techniques of planning, developing, organizing, and conducting an extended Wilderness Experience. Leadership training will also include first aid, rescue, navigation and legal responsibilities of these experiences. Prerequisite: MOVP 0199.

MOVP 0260 ANALYSIS OF TEACHING SELECTED PHYSICAL EDUCATION SKILLS/ELEMENTARY (4) This course provides the student with the knowledge and methodology of selected activities appropriate for the elementary school child. The course will include locomotor, non-locomotor, manipulative, body management and specific sports skills as taught through games of low organization, lead-up activities to games of higher organization and rhythmics. Consideration will be given to analysis of performance organization and progression. The course will consist of two hours of lecture and four hours of laboratory. Prerequisites: MOVP 0105 and MOVP 0106.

MOVP 0261 ANALYSIS OF TEACHING SELECTED PHYSICAL EDUCATION SKILLS/SECONDARY (4) This course provides the student with the knowledge and methodology of teaching games, sports and physical activities in a secondary physical education program. The course will include team and individual sports, non-traditional games and dance/rhythmic activities. Emphasis will be placed on analysis of performance, sequence and progression of skills and lead-up games, and effective organizational techniques applied in teaching these selected activities. This course will consist of two hours of lecture and four hours of laboratory. Prerequisites: MOVP 0105 and MOVP 0106.

MOVP 0262 ANALYSIS OF TEACHING SELECTED PHYSICAL EDUCATION SKILLS II (2) Provides the student with the knowledge and methodology appropriate for selected physical education skills: aquatics, tumbling and gymnastics, and track and field. Emphasis will be placed on analysis of performance, sequence, progression of skills and effective organizational techniques applied in teaching these activities. Will include safety procedures. Prerequisites: MOVP 0260 or MOVP 0261.

MOVP 0301 PHYSICAL EDUCATION IN THE ELEMENTARY SCHOOL (3) Philosophy, program planning and methods of teaching children, guided observational experiences of children in schools, presentation of activities suitable in elementary school programs.

MOVP 0302 MEASUREMENT & EVALUATION IN PHYSICAL EDUCATION (3) This course is designed to provide the student with an opportunity to gain knowledge of elementary statistical techniques and measurement procedures applicable to the discipline of physical education. Students will be expected to develop competency in the selection, development, and administration of valid testing and evaluation programs in physical education. Prerequisite: MOVP 0313 or MOVP 0314 or permission.

MOVP 0304 PSYCHOLOGY OF COACHING (3) This course concentrates on the principles and techniques applicable to the coaching of sports at the elementary and secondary levels.

MOVP 0309 EVALUATION OF INJURIES (3) The study of advanced techniques in the evaluation of and treatment of athletic injuries with special emphasis upon the theories and principles of tissue injury and repair. The course includes study of the principles of and the construction of programs for athletic fitness, protective and rehabilitative devices, and the underlying physics, physiological effects, and determination of proper care and use of advanced therapeutic modalities. Prerequisite: MOVP 0204, MOVH 0210, MOVP 0302 or written permission of instructor.

MOVP 0311 ADAPTIVE PHYSICAL EDUCATION (3) The course will cover scientific techniques used in assessment, identification, skill analysis and program implementation for special needs students. Consideration will be given to characteristics, needs and related problems associated with handicapping conditions such as retardation, learning disabilities, behavioral disorders, orthopedic disabilities, visual and hearing impairment, chronic illnesses, bilingual and multicultural problems of children and their integration into physical education programs. Special attention will be given to the impact of federal and state regulations as they relate to adapted and mainstreamed physical education. Twenty (20) hours of field work required. Prerequisite: MOVP 0204

MOVP 0312 MOVEMENT AND MUSIC WORKSHOP (3) Creative teaching in movement and music. Course will focus on movement principles and Orff-Schulwerk design for creativity in music. There will be application of the movement principles in Movement Education Program and the design for creativity in music toward the development of elemental experiences in music (sound), rhythm movement, and word. The culmination of activities will lead to the interdisciplinary application of movement, music and literature in the development of sensitivity of expressional media through the creative teacher. Prerequisite: Junior or senior standing or permission of instructor.

MOVP 0313 PHYSICAL EDUCATION TEACHING METHODOLOGY: ELEMENTARY (3) Analysis of performance and methods of teaching selected motor activities for the elementary level. Included will be growth and development as it relates to program planning and implementation, class management, teaching styles, formulation of goals and objectives through lesson and unit plans, sequencing and progression for teaching skills, fundamental motor patterns and game usage. A forty (40) hour pre-practicum at the elementary level is required. Prerequisites: MOVP 0202 and MOVP 0262.

MOVP 0314 PHYSICAL EDUCATION TEACHING METHODOLOGY: SECONDARY (3) Analysis of skill performance and methods of teaching physical education in the secondary school. Will include organization, sequence and progression for teaching skills, formulation of objectives and goals through lesson and unit plans, evaluation of lessons, class management and teaching styles. A forty (40) hour pre-practicum at the secondary level is required. Prerequisites: MOVP 0202 and MOVP 0262.

MOVP 0316 CURRICULUM PLANNING & IMPLEMENTATION (2) This course will provide for the development of curricular designs in Physical Education for programs in schools through evaluation of existing programs and the study of current trends and development in relation to their influence on the curriculum. Prerequisites: MOVP 0313 or MOVP 0314.

MOVP 0320 FITNESS ASSESSMENT & EXERCISE PRESCRIPTION (3) Analysis of physiological principles and exercise prescriptions for fitness, weight control, and health programs. Provides an understanding of business/corporate /industrial fitness/wellness programs. Prerequisites: MOVP 0204 and MOVP 0205.

MOVP 0321 SUPERVISING SPORTS/FITNESS PROGRAMS (3) An overview of the objectives, strategies and policies the managing sports/fitness programs. Specific learning experience will be designed to enhance the individual's technical, human, and conceptual skills. Prerequisite: MOVP 0105, MOVP 0106 or MOVH 0100.

MOVP 0322 SPORTS AND THE LAW (3) An analysis of the legal considerations in the administration of physical education, health, and sports/athletic programs. Specific law relevant to these programs and how to incorporate consideration of the law into instruction, curriculum development, supervision, staffing, policy formulation, facility design and maintenance, equipment selection and maintenance will be examined.

MOVP 0323 THERAPEUTIC MODALITIES (3) Examines the use of therapeutic modalities as a component of athletic injury reconditioning programs. Theory, clinical applications and legal aspects are considered. Two lectures, two hour laboratory, weekly. Prerequisite: permission of instructor.

MOVP 0324 GONIOMETRY AND MANUAL MUSCLE TESTING (3) This course enables students to conduct goniometric measurements and manual muscle testing of the trunk and extremities. Prerequisites: MOVP 0231 and MOVP 0232.

MOVP 0325 WOMEN AND SPORT (3) Provides an overview of the concerns of women within the social institution of sport. The historical, socio-psychological, and physiological aspects of female sport participation will be examined and discussed. Issues related to the impact of social change within sport upon the female athlete will be addressed. Prerequisite: WSTP 0101, PSYC 0101, or SOCI 0101.

MOVP 0326 CHILDREN IN COMPETITIVE SPORTS (3) This course examines the cognitive, behavioral, biological, and environmental factors having important implications for competitive sport participants from early childhood through high school. Special attention will be placed on the practical application of sport science research for teachers, coaches, and administrators. Prerequisites: MOVP 0202 and MOVP 0203, or permission of instructor.

MOVP 0327 THERAPEUTIC EXERCISE (3) A study of the principles and techniques associated with planning and implementation of exercise programs designed to restore and improve musculoskeletal function. Students will learn how to develop reconditioning and rehabilitation programs including the components of range of motion, strength, stretching, joint mobilization, neuromuscular facilitation, and cardiovascular exercise. The emphasis will be on practical decision making related to the setting of program goals and the selection of appropriate exercises to achieve those goals. Prerequisites: MOVP 0233, BIOL 0237, BIOL 0239, MOVP 0309 or permission of instructor.

MOVP 0328 FITNESS/REHAB FOR SPECIAL POPULATIONS (3) This course will explore fitness assessment and exercise prescription for special populations. The effects of exercise on the process of aging will be examined. The special needs of those individuals with various medical conditions will be explored. Research in the areas of exercise physiology and medicine will serve as resources for the development of safe and effective exercise programs for individuals with special needs. Prerequisites: MOVH 0103 and MOVP 0205.

MOVP 0330 SPORTS PROMOTION (3) An introduction to the issues, principles, and skills of sports promotion pertaining to the educational, recreational, and professional sports arenas. Focus will be on the structure and economic impact of the sports industry and the acquisition of skills required to effectively promote a sports program. Prerequisite: Junior status.

MOVP 0348 PRACTICUM I IN PHYSICAL EDUCATION: ELEMENTARY (6) Supervised observation and student teaching in an elementary school, conduct of classes and extra-curricular activities, development and understanding of school and community. Emphasis on continuity of lessons, units, daily evaluation. Supervision by cooperating school practitioner and Physical Education faculty from the college. Individual conferences and group seminars. Prerequisite: Advanced standing, MOVP 0313, and current First Aid certificate.

MOVP 0349 PRACTICUM II IN PHYSICAL EDUCATION: ELEMENTARY (6) Supervised observation and student teaching in an elementary school, conduct of classes and extra-curricular activities, development and understanding of school and community. Emphasis on continuity of lessons, units, daily evaluation. Supervision by cooperating school practitioner and Physical Education faculty from the college. Individual conferences and group seminars. Prerequisite: MOVP 0348.

MOVP 0350 PRACTICUM I IN PHYSICAL EDUCATION - SECONDARY (6) Supervised observation and student teaching in a secondary school, conduct of classes and extra-curricular activities, development and understanding of school and community. Emphasis on continuity of lessons, units, daily evaluation. Supervision by cooperating school practitioner and Physical Education faculty from the college. Individual conferences and group seminars. Prerequisite: Advanced standing, MOVP 0314, and current First Aid certificate.

MOVP 0351 PRACTICUM II IN PHYSICAL EDUCATION - SECONDARY (6) Supervised observation and student teaching in a secondary school, conduct of classes and extra-curricular activities, development and understanding of school and community. Emphasis on continuity of lessons, units, daily evaluation. Supervision by cooperating school practitioner and Physical Education faculty from the college. Individual conferences and group seminars. Prerequisite: MOVP 0350.

MOVP 0353 CLINICAL EXPERIENCE IN ATHLETIC TRAINING (6-12) Course requires working with a certified athletic trainer in another school for practical experience. Duties to include: administering first aid, administration of therapy treatment, observation of work of the clinical supervisor and duties assigned by the clinical supervisor. Prerequisite: Advanced standing, 2.5 GPA in Athletic Training concentration, and current First Aid certificate.

MOVP 0355 PRACTICUM SEMINAR: PHYSICAL EDUCATION (3) The practicum seminar is a series of formal meetings to provide an opportunity for student teachers to perceive relationships among ideas in problem situations, to explore creative situations, to increase familiarity with many resources and materials, and to develop wholesome personal and professional relationships. Special programs are presented with the aid of professional resource persons. Identification of educational innovations, problems and suggestions for the present and future needs of students and school personnel are a pertinent part of the practicum experience. Prerequisite: Concurrent enrollment in practicum.

MOVP 0398 INTERNSHIP WILDERNESS LEADERSHIP (6) Provides the student enrolled in the Wilderness Leadership concentration with an opportunity to work with public and/or private agencies/institutions in the community conducting wilderness programs. The student will work under the supervision of the agency/institution director and will be supervised by a member from the MSSLS department. Students will be expected to assist in the development as well as the conduct of the Wilderness Programs offered. Students are expected to fulfill a minimum of 280 clock hours. Prerequisite: Advanced standing and completion of courses in the Wilderness leadership concentration with a minimum QPA of 2.5 and current First Aid certificate.

MOVP 0399 INDEPENDENT STUDY (1-6) Individual research and independent study related to a particular phase of Physical Education with approval from the Physical Education Department. Prerequisite: Physical Education Major with Advanced Standing.

HEALTH

MOVH 0100 HEALTH-RELATED FITNESS FOR ADULTS (3) Designed to assist the individual in making sound choices toward preparing and planning a lifestyle conducive to achieving and maintaining total fitness and wellbeing. Topics include: cardiovascular endurance, muscle strength, muscle endurance, flexibility, diet and weight control, stress management and degenerative disease prevention. Combines the theoretical with the experimental.

MOVH 0101 FIRST AID AND EMERGENCY CARE (1) Provides the fundamental principles, knowledge and skills of first aid and accident prevention. Prepares the individual to care for most injuries and emergencies when medical assistance is delayed. Certification from the National Safety Council will be available upon successful completion of the course.

MOVH 0103 PRINCIPLES OF HEALTH AND WELLBEING (3) Designed to assist the student in developing a lifestyle conducive to good health and wellbeing. Identification of risk factors which affect longevity will be discussed. Included will be substance abuse, emotional and environmental factors, diet and exercise.

MOVH 0211 EMERGENCY MEDICAL TECHNICIAN (4) This course is designed to provide the student with the theoretical understandings and practical experiences in dealing with medical emergencies. Topics included are rescue breathing, cardiopulmonary resuscitation, airway obstruction, oxygen therapy, soft tissue and internal injuries, ambulance operations, and emergency extrication. Class meets for two (2) hours of lecture and four (4) hours of laboratory. (Upon successful completion of the course students will be able to sit for the EMT-M certification examination conducted by the Massachusetts Department of Public Health Offices of Emergency Services.) Costs associated with required equipment/materials and certification fees are additional and are the responsibility of the student.

MOVH 0212 CONCEPTS OF NUTRITION (3) Includes basic principles of nutrition and the body's use of nutrients. Emphasis on the effect of diet on selected health problems as well as the relationship between diet and athletic habits using a variety of established guidelines including the use of a computerized diet analysis. Prerequisite: any lab science course

MOVH 0301 HEALTH EDUCATION IN THE ELEMENTARY SCHOOL (3) Designed to assist administrators and classroom teachers in evaluating needs of the particular school system and to formulate programs in health education. Emphasis will be on correlation and integration of health instruction. Prerequisite: MOVH 0103 or permission of the instructor.

MOVH 0351 INTERNSHIP HEALTH (6) Provides the student enrolled in the Health/Fitness Concentration with an opportunity to do in service work with public and private agencies/institutions in the community. The students will work under the supervision of the agency/institution director and will be supervised by a faculty member from the MSSLS Department. Students will be expected to assist in the development as well as conduct of Health/Fitness programs offered. Students are expected to fulfill a minimum of 280 clock hours. Individual conferences and group seminars are held in addition to the 280 clock hours. Prerequisites: Advanced Standing and completion of courses in the Health/Fitness Concentration with a 2.5 minimum QPA, and current First Aid certificate.

MOVH 0399 INDEPENDENT STUDY IN HEALTH (1-6) Individual research and independent study relative to a particular health issue. Prerequisite: Permission of instructor.

RECREATION

MOVR 0301 OUTDOOR RECREATION (3) An in-depth analysis of outdoor recreational activities. Includes skills of living in nature in respect to wilderness camping and environmental awareness, campcraft skills; planning and conducting outdoor recreation programs. Prerequisites: MOVR 0102 and MOVR 0201.

MOVR 0399 INDEPENDENT STUDY IN RECREATION (1-6) Individual research and independent study relative to a particular recreation issue. Prerequisite: Permission of instructor.

SKILLS

OVP 0109 AEROBICS (1)
OVP 0110 ARCHERY (1)
OVP 0111 BADMINTON (1)
OVP 0112 BADMINTON II (1)
OVP 0113 FITNESS FOR ADULTS: WALKING (1)
OVP 0114 FITNESS FOR ADULTS: JOGGING (1)
OVP 0115 BOWLING (1)
OVP 0118 STEP AEROBICS (1)
OVP 0120 SOCCER (1)
OVP 0122 SOFTBALL (I)
OVP 0124 BASKETBALL (1)
OVP 0127 VOLLEYBALL (1)
OVP 0128 VOLLEYBALL II (1)
OVP 0129 FIELD HOCKEY (I)
OVP 0131 BEGINNERS' SWIMMING (1)
OVP 0132 INTERMEDIATE SWIMMING (1)
OVP 0133 SWIMMERS (I)
OVP 0137 SKIN AND SCUBA DIVING (1)
OVP 0138 BOATING AND CANOEING (I)
OVP 0139 KAYAKING (1)
OVP 0140 SQUARE DANCE (I)
OVP 0141 FOLK DANCE (I)
OVP 0142 MODERN DANCE (1)
OVP 0143 BALLROOM DANCE (I)
OVP 0144 MODERN JAZZ DANCE (I)
OVP 0145 BALLET I (I)
OVP 0146 BALLET II (I)
OVP 0147 BASIC RHYTHMIC ACTIVITIES (I)
OVP 0148 TAP DANCE (1)
OVP 0149 TENNIS (I)
OVP 0150 TENNIS II (I)
OVP 0151 TRACK AND FIELD (I)
OVP 0152 GOLF I (I)
OVP 0153 GOLF II (1)
OVP 0154 DOWNHILL SKIING (I)
OVP 0155 SKI TOURING AND SNOW SHOEING (1)
OVP 0156 GYMNASTICS I (1)
OVP 0162 STRENGTH TRAINING & CONDITIONING (1)
OVP 0163 BALLROOM DANCE II (I)
OVP 0164 BICYCLING (1)
OVP 0165 RACQUETBALL AND HANDBALL (I)
OVP 0167 CAMPING SKILLS (1)
OVP 0170 TOUCH FOOTBALL (1)
OVP 0171 DIVING (1)
OVP 0172 ORIENTEERING (I)
OVP 0173 INITIATIVE GAMES AND ROPES (I)
OVP 0180 ROCK CLIMBING (1)
OVP 0181 AQUA AEROBICS (I)
OVP 0182 LIFEGUARD TRAINING (2)
OVP 0183 RELAXATION TECHNIQUES (1)
OVP 0184 WATER SAFETY INSTRUCTOR (2)
OVP 0185 SWIMMING FOR FITNESS (I)
OVP 0188 MODERN JAZZ DANCE II (I)

MUSIC

The Music Department, in alliance with a liberal arts base, provides the highest standard of practical and theoretical training toward the development of potential in the individual student. The department places the student at the center of its focus. Professional training in musicianship, performance, pedagogy, and literature furnishes an environment in which the abilities of the student can be fully developed. After completing music studies at Westfield State College, the student is well equipped to make choices regarding further professional goals and objectives.

Areas of concentration are provided in Performance, Theory and Composition, Music History, Music Education, Jazz Studies, Musical Theatre, Music Merchandising, and Business Management. The successful completion of the Concentration in Music Education leads toward Certification by the State Board of Education.

Any qualified student may participate in the department's Performance Ensembles. Numerous concerts, recitals, and other productions are presented to the entire community each semester.

The Music Department's facilities consist of an electronic piano laboratory, individual practice rooms (equipped with pianos), a music listening room, a recital room, and practice sound modules. Additionally, there is a growing collection of recordings and cassettes available to students. An impressive collection of texts on music and an expanding collection of music scores are housed in the College Library.

Graduates majoring in music have found careers in church music, music education, recording engineering, music retailing, profession performance careers outside of the field of Music.

REQUIREMENTS FOR MUSIC MAJORS

MUSIC MAJOR CORE (Total Credits 35)

MUSC 0112 Music Theory I	(3)
MUSC 0211 Music Theory II	(3)
MUSC 0113 Basic Musicianship I	(1)
MUSC 0114 Basic Musicianship II	(1)
MUSC 0200 Music History I	(3)
MUSC 0201 Music History II	(3)

MUSIC INSTRUMENT/VOICE (Levels 1-7) (14)

All Music Majors are required to take one lesson per week on their major instrument, or voice, throughout seven semesters of study. All students enrolled in Major instrument or Voice study must also participate, as available, in a Repertoire Class. There is no additional fee for lessons that are required for graduation, within the Music Major Core, or the student's selected Area of Concentration.

PIANO PROFICIENCY (0-

ENSEMBLE (

All students must participate in a performing ensemble during ea semester enrolled as a Music Major or Music Minor as assigned l the department. To receive credit for any Major instrument Voice level for the study of Applied Music, all students must pa a jury examination at the end of each semester. Any grade "Incomplete" received in Applied Music must be made up by t end of the fourth week of the following semester.

RECITAL CLASS (

All Music majors must participate in a musical organization ea semester. Details available from Department.

AREAS OF CONCENTRATION

Note: Education students who choose music as their arts or scienc major, and who are seeking teacher certification outside of musi must complete a music concentration in addition to the above co requirements.

CONCENTRATION IN MUSIC EDUCATION

The student will select the appropriate group of listed courses fc the certification sought: Teacher of Music: Elementary (N-9), c Teacher of Music: Secondary (5-12).

Admission to the Music Education concentration during the fourt semester is dependent on: completion of the piano proficienc requirement, and completion of an entrance examination to includ music education philosophy, major applied area, basi musicianship, and piano.

All Music Education concentration students must pass a pre-practicum jury examination in the semester preceding th practicum. The examination will demonstrate proficiency i conducting, score reading, piano, sight singing, and the majo applied area.

Music education concentration students preparing for a practicum experience in instrumental music normally take a traditional concert band or orchestral instrument for the applied major. Students preparing for a practicum experience in vocal music normally take voice for the applied major. Students planning a practicum experience outside their usual performing area must demonstrate performance experience and proficiency equivalent to MUSC 0172 or complete three semesters of minor applied study and ensemble experience in voice, percussion, winds or orchestral strings, as appropriate.

NOTE: Admission and retention in the music education concentration are dependent on: and overall QPA of 2.7, a 2.7 QPA in applied music, and a 2.7 QPA in pedagogy coursework.

ajor Coursework (Total Credits 41)

MUSC 0112 Music Theory I	(3)
MUSC 0211 Music Theory II	(3)
MUSC 0212 Music Theory* III	(3)
MUSC 0312 Form and Analysis	(3)
MUSC 0200 Music History I	(3)
MUSC 0201 Music History II	(3)
MUSC 0230 Basic Conducting	(3)
Applied Music (Instrument/Voice 7 Levels)	(14)
Ensemble	(6)

dagogical Coursework

Vocal and Instrumental Techniques	(3)
MUSC 0221 Music Curriculum and Instruction	(3)
MUSC 0323 Behavioral Techniques in Music	(3)
EDUC 0221 Equity in Education	(3)

ıe of the following:

MUSC 0322 Elementary Music Methods	(3)
MUSC 0321 Vocal Music in the Secondary Schools	(3)
MUSC 0327 Instrumental Music in the Elementary Schools	(3)
MUSC 0326 Instrumental Music in the Secondary Schools	(3)

ıe of the following:

PSYC 0202 Child Psychology	(3)
PSYC 0203 Adolescent Psychology	(3)

ıe of the following:

MUSC 0324 Practicum: Music, Elementary	(6-12)
MUSC 0325 Practicum: Music, Secondary	(6-12)

Students who also concentrate in Jazz Studies may substitute USC 0364 Contemporary Harmonic Techniques for MUSC 0212 usic Theory III.

)NCENTRATION IN PERFORMANCE (Total Credits 33)

ıdents will audition for admission into this Concentration; pass ualifying examination before entering the fifth level of applied idies; and present a satisfactory junior performance.

ajor Instrument or Voice	(10)
MUSC 0200 Music History I	(3)
MUSC 0201 Music History II	(3)
Music History Elective	(3)
MUSC 0212 Music Theory III	(3)
Music Theory or Composition Elective	(3)
MUSC 0213 Basic Musicianship III	(2)
MUSC 0330 Choral Conducting or MUSC 0331 Instrumental Conducting	(3)
MUSC 0312 Form and Analysis	(3)
Senior Recital	(0)

CONCENTRATION IN MUSIC HISTORY (Total Credits 21)

MUSC 0300 Music in the Middle Ages and Renaissance	(3)
MUSC 0301 Music in the Baroque Period	(3)
MUSC 0302 Music in the Classical and Romantic Periods	(3)
MUSC 0303 Music in the Twentieth Century	(3)
MUSC 0212 Music Theory III	(3)
MUSC 0312 Form and Analysis	(3)
MUSC 0330 Choral Conducting or MUSC 0331 Instrumental Conducting	(3)

CONCENTRATION IN THEORY AND COMPOSITION (Total Credits 33)

For the student in the Theory and Composition Concentration, the fourteen hours required in the Music Major Core in MAJOR INSTRUMENT OR VOICE, will be distributed as follows:

Major Instrument or Voice	(8)
Minor Instrument/Piano	(4)
Advanced Composition I	(2)
MUSC 0212 Music Theory III	(3)
MUSC 0217 Orchestration	(3)
MUSC 0312 Form and Analysis	(3)
MUSC 0310 Counterpoint	(3)
MUSC 0214 Composition I	(2)
MUSC 0215 Composition II	(2)
MUSC 0216 Composition III	(2)
Instrumental Classes from two of the following: Strings, Woodwinds, Brass, and Percussion	(2)
Choral or Instrumental Conducting	(3)
MUSC 0311 Advanced Music Theory	(3)
MUSC 0315 Advanced Composition II	(2)
MUSC 0316 Advanced Composition III	(2)
Music History Elective	(3)

The last three listed courses in the Concentration in Theory and Composition are not required of those students who have a double concentration in Music.

CONCENTRATION IN MUSICAL THEATRE (Total Credits 30)

Voice Class	(1)
MUSC 0330 Choral Conducting or MUSC 0331 Instrumental Conducting	(3)
Musical Theatre Practicum (1-1-1-1)	(4)
MUSC 0200 Music History I	(3)
MUSC 0201 Music History II	(3)
ENGL 0252 Acting I and ENGL 0357 Acting II	(6)
ENGL 0353 Theatre Workshop or	(6)
ENGL 0254 Vocal Techniques and	(3)
ENGL 0251 Theatre Arts	(3)
MOVP 0145 Ballet I and MOVP 0146 Ballet II	(2)
Dance: Folk, Modern, Tap, or Jazz	(2)

CONCENTRATION IN INSTRUMENTAL JAZZ STUDIES (Total Credits 26)

MUSC 0160 History of Jazz	(3)
MUSC 0264 Jazz Theory and Analysis	(3)
MUSC 0362 Jazz Improvisation I	(2)
MUSC 0364 Contemporary Harmonic Techniques	(3)
MUSC 0360 Stage Band Arranging I	(3)
MUSC 0361 Stage Band Arranging II	(3)
MUSC 0145 Jazz Ensemble	(2)
MUSC 0267/0268 Jazz Keyboard Harmony I, II, III	(3)
MUSC 0363 Jazz Improvisation II	(2)
Jazz Instrument	(2)

CONCENTRATION IN VOCAL JAZZ STUDIES (Total Credits 24)

MUSC 0160 History of Jazz	(3)
MUSC 0264 Jazz Theory and Analysis	(3)
MUSC 0362 Jazz Improvisation I	(2)
MUSC 0364 Contemporary Harmonic Techniques	(3)
MUSC 0365 Vocal Jazz Techniques	(3)
MUSC 0366 Vocal Jazz Arranging	(3)
MUSC 0267/0268 Jazz Keyboard Harmony I, II, III	(3)
MUSC 0146 Vocal Jazz Ensemble	(2)
Jazz Voice	(2)

CONCENTRATION IN MUSIC MERCHANDISING AND BUSINESS MANAGEMENT (Total Credits 34)

MUSC 0200 Music History I	(3)
MUSC 0201 Music History II	(3)
MUSC 0212 Music Theory III or MUSC 0364 Contemporary Harmonic Techniques	(3)
MUSC 0264 Jazz Theory and Analysis	(3)
Instrumental Classes From: Violin, Trumpet, Clarinet, Piccolo, Guitar	(4)
From: Oboe, Flute, Saxophone, Horn, Trombone	(3)
MUSC 0330 Choral Conducting or MUSC 0331 Instrumental Conducting	(3)
MGMT 0221 Business Management	(3)
MGMT 0231 Marketing Management	(3)
MGMT 0104 Accounting I	(3)
MGMT 0302 Small Business Management	(3)

MUSIC MAJOR - NO SPECIFIC CONCENTRATION

Music Theory and Music History Electives	(9)
Ensembles	(2)

MUSIC MINOR (Total Credits 18)

MUSC 0112 Music Theory I	(
MUSC 0211 Music Theory II	(
Major Instrument or Voice	(
MUSC 0330 Choral Conducting or MUSC 0331 Instumental Conducting	(
MUSC 0200 Music History I or MUSC 0201 Music History II	(

COURSES

THEORY AND COMPOSITION

MUSC 0110 BASIC MUSIC THEORY (3) (non majors) The stuc of notation, scale construction, intervals, chords, rhythm, ar elements of form and counterpoint.

MUSC 0111 BASIC MUSIC THEORY (Majors and Minors) (The study of notation, scale, interval and chord constructio rhythm, and elements of melody, form and counterpoint.

MUSC 0112 MUSIC THEORY I (3) A continuation of Bas Music Theory (MUSC 0111) with study of Inversion Nonharmonic Tones, Harmonic Rhythm, Modulations, Domina Seventh Chords, the Principles of Secondary Dominants, ar simple descriptive analysis. Continued exploration of melod structure, and musical texture.

MUSC 0113 BASIC MUSICIANSHIP I (1) Elementary solfeg rhythm exercises, musical dictation, and musical terms in Italia and German.

MUSC 0114 BASIC MUSICIANSHIP II (1) Intermediate solfeg rhythm exercises, musical dictation, and musical terms in th French language. Prerequisite: MUSC 0113.

MUSC 0211 MUSIC THEORY II (3) Emphasis is upon the stud of extended chords, sequence, and chromatic harmonies. Continue development of analytical techniques. Prerequisite: MUSC 0112

MUSC 0212 MUSIC THEORY III (3) Emphasis is upon lat Romantic and Twentieth-Century Harmonic Techniques. Also, a introduction to the experimental techniques of Contemporar Music, and continued concern for the development of analytic techniques. Prerequisite: MUSC 0211.

MUSC 0213 BASIC MUSICIANSHIP III (2) Advanced solfeg rhythm exercises. Interpretation of scores through formal analysi Prerequisite: MUSC 0114.

MUSC 0214 COMPOSITION I (2) An introduction to basi compositional techniques in music. Creative work in smaller form Prerequisite: MUSC 0112.

MUSC 0215 COMPOSITION II (2) Emphasis is upon varied instrumental and vocal media. Includes an introduction to Twentieth-Century Compositional Techniques. Prerequisites: MUSC 0211 and MUSC 0214.

MUSC 0216 COMPOSITION III (2) Emphasis is upon individual projects. Performance of original works will be encouraged. Prerequisites: MUSC 0212 and MUSC 0215.

MUSC 0217 ORCHESTRATION (3) A study of the technical aspects of each instrument to include ranges and transposition. Score analysis and arranging for various combinations of instruments. Prerequisites: MUSC 0112 and Instrument Classes.

MUSC 0310 COUNTERPOINT (3) A review of species counterpoint will lead to a study of tonal counterpoint in the style of the 18th Century. Analysis of representative works will complement the written work in from two to four voices, culminating in efforts in such forms and techniques as the invention, canon, invertible counterpoint, and fugue. Prerequisite: MUSC 0112.

MUSC 0311 ADVANCED MUSIC THEORY (3) Continuation of Music Theory III with special focus upon the works of contemporary theorists, and the application of their concepts and principles to music of all periods and styles. May be repeated for credit. Prerequisites: MUSC 0212 and MUSC 0312.

MUSC 0312 FORM AND ANALYSIS (3) An introduction to the analysis of musical forms. Works analyzed: 17th century to late 19th century compositions. Prerequisite: MUSC 0212.

MUSC 0314 ADVANCED COMPOSITION I (2) Continuation of Composition III. Performances of original works will be required. Prerequisite: MUSC 0312.

MUSC 0315 ADVANCED COMPOSITION II (2) Continued study in Music Composition, with emphasis upon extended works for larger ensembles. Prerequisite: MUSC 0314.

MUSC 0316 ADVANCED COMPOSITION III (2) The final semester in Composition. Concern for the presentation of a public recital and/or the development of a portfolio of compositions. Prerequisite: MUSC 0315.

MUSC 0317 CHORAL ARRANGING (3) The development of arranging techniques for the choral ensemble. Attention is devoted to harmonic arranging for both accompanied and unaccompanied female, male, and mixed ensembles. Attention to contrapuntal aspects of the choral arranging process. Prerequisites: MUSC 0212 and MUSC 0310.

MUSC 0399 INDEPENDENT STUDY (Theory and Composition) (1-6). Permission of instructor.

MUSIC HISTORY, LITERATURE, AND APPRECIATION

MUSC 0101 MUSIC APPRECIATION (3) The study of masterpieces of music from each era, from the Middle Ages through contemporary times. Emphasis is on directed listening and music is analyzed with reference to style characteristics.

MUSC 0102 MUSIC IN AMERICA (3) A survey of music in America from the landing of Columbus through the Twentieth Century.

MUSC 0103 MUSIC APPRECIATION (Music majors) (3) The study of music of each era, from the Middle Ages through contemporary times. Music is analyzed through directed listening, through the use of musical scores, and with reference to style characteristics.

MUSC 0104 WORLD MUSIC (3) A survey of world music literature including the music of non-Western cultures: China, India, and the Near East; the tribal music of Africa and its influence on the music of South America and the Caribbean area; the lesser known music of the Western world including Iceland, Ireland, and the Indians of America. Designed for Honors students of the college. Prerequisite: MUSC 0101 or permission of instructor.

MUSC 0106 WOMEN'S ROLE IN MUSIC: A HISTORY (3) The course will trace women's involvement in the field of music and include the study of women composers, performers, musicologists, educators, and women as patrons of the arts.

MUSC 0160 HISTORY OF JAZZ (3) The study of jazz music from the early 1900's to the present. Emphasis on styles and trends of major jazz performers and ensembles within each period.

MUSC 0200 MUSIC HISTORY I (3) A chronological study of the history of musical styles showing the development of musical forms from the Middle Ages through the Baroque Era.

MUSC 0201 MUSIC HISTORY II (3) A continuation of Music History I. The study of musical forms as developed from the Classical Era through the Twentieth Century.

MUSC 0300 MUSIC IN THE MIDDLE AGES AND RENAISSANCE (3) A chronological study of forms and styles of Western Music from Antiquity through the Sixteenth Century. Prerequisite: MUSC 0103, MUSC 0200, and MUSC 0201 or permission of instructor.

MUSC 0301 MUSIC IN THE BAROQUE ERA (3) The history of music from 1600 to 1750 with emphasis on the musical styles of Monteverdi, Bach, and Handel. Prerequisite: MUSC 0103, MUSC 0200, MUSC 0201 or permission of instructor.

MUSC 0302 MUSIC IN THE CLASSIC AND ROMANTIC ERAS (3) A study of the forms and styles of music from 1740 to 1900. Prerequisite: MUSC 0103, MUSC 0200, MUSC 0201 or permission of instructor.

MUSC 0303 MUSIC IN THE TWENTIETH CENTURY (3) A study of changing styles of music from the late German Romanticists through the experimental music of contemporary times. Prerequisites: MUSC 0103, MUSC 0200 and MUSC 0201 or permission of instructor.

MUSC 0304 AFRO-CARIBBEAN MUSIC (3) Music of Puerto Rico and the Caribbean Islands. A study of the influences of Spanish, African and Indian music on the music of Puerto Rico, and its influence on the music of America. Course is especially designed for the classroom teacher. Prerequisite: MUSC 0101 or MUSC 0103.

MUSC 0399 INDEPENDENT STUDY (Music History) (3-6). Permission of instructor.

MUSIC EDUCATION

MUSC 0220 MUSIC IN THE ELEMENTARY SCHOOL (3) A course designed for the nonmusic major. Introduces the materials and techniques with which the Elementary Education major may guide young children in musical experiences. Emphasis is on the development of musical knowledge and teaching skills.

MUSC 0221 MUSIC CURRICULUM AND INSTRUCTION (3) A field-based methods course including an overview of curriculum and principles of music education grades N-12. Administration of ensembles and classroom music courses. Twenty-five (25) hours of field experience in selected public schools are required with documentation.

MUSC 0230 BASIC CONDUCTING (3) Basic techniques of conducting including baton techniques; simple, compound, and asymmetrical meters; expression and interpretation through laboratory experiences. Prerequisites: MUSC 0112 and MUSC 0201.

MUSC 0321 VOCAL MUSIC IN THE SECONDARY SCHOOLS (3) A study of vocal music activities in the public schools, from the middle-school level through the senior high school. The course field experience prepares students to organize and develop a choral program, analyze and evaluate choral literature, and prepare for rehearsals and performances. Prerequisites: MUSC 0221, MUSC 0156, MUSC 0274 Major Instrument V, Voice and Piano Proficiency.

MUSC 0322 ELEMENTARY MUSIC METHODS (3) A survey of music literature, materials and current teaching techniques appropriate for the elementary school vocal music program. Consideration is given to identifying goals and developing sequential musical experiences. Assignments in area public/private schools will be required throughout the semester. Prerequisites: PSYC 0301, MUSC 0156, Piano Proficiency, and MUSC 0221.

MUSC 0323 BEHAVIORAL TECHNIQUES IN MUSIC (3) A field-based methods course emphasizing the application of behavioral principles in music rehearsals and classes. Twenty-five (25) hours of field experience in selected public schools are required with documentation. Prerequisites: PSYC 0101 and MUSC 0221.

MUSC 0324 PRACTICUM: MUSIC, ELEMENTARY (6-12) A full-time unpaid apprenticeship with a co-operating practitioner at the elementary level, supervised by college music faculty. Scheduled to include a minimum of 135 hours of direct instructional responsibility. Periodic on campus seminars are required. Prerequisite: Completion of all required courses for elementary certification.

MUSC 0325 PRACTICUM: MUSIC, SECONDARY (6-12) A full-time unpaid apprenticeship with a co-operating practitioner at the secondary level, supervised by college music faculty. Scheduled to include a minimum of 135 hours of direct instructional responsibility. Periodic on campus seminars are required. Prerequisite: Completion of all required courses for secondary certification.

MUSC 0326 INSTRUMENTAL MUSIC IN THE SECONDARY SCHOOLS (3) A field-based methods course emphasizing teaching materials and techniques for secondary school bands and orchestras. Twenty-five (25) hours of field experience in selected public schools are required, with documentation. Prerequisite MUSC 0221.

MUSC 0327 INSTRUMENTAL MUSIC IN THE ELEMENTARY SCHOOLS (3) A field-based methods course emphasizing teaching materials and techniques for beginning and intermediate instrumental classes, including strings, woodwinds, brass, and percussion. Twenty-five (25) hours of field experience in selected public schools are required, with documentation. Prerequisite MUSC 0221.

MUSC 0399 INDEPENDENT STUDY (Music Education) (3-6) Permission of instructor.

CONDUCTING

MUSC 0330 CHORAL CONDUCTING (3) The development of conducting techniques in relation to rhythmic/melodic exercises. Basic techniques of choral conducting, voice production, choral literature and performance practices. Prerequisites: MUSC 0201 and MUSC 0211.

MUSC 0331 INSTRUMENTAL CONDUCTING (3) Conducting and score reading of standard orchestral repertoire. Attention is given to the broader aspects of style, interpretation, terminology, transposition and the detailed aspects of baton technique. Prerequisites: MUSC 0201, MUSC 0211, and Instrument Classes.

MUSC 0399 INDEPENDENT STUDY (Conducting) (3-6) Permission of instructor.

ERFORMING ENSEMBLES

USC 0140 CHORALE (1) Membership by audition. Mixed oices emphasizing the acappella tradition, the Chorale also erforms with orchestra. Extensive performance schedule on and f campus Literature spans all periods of music history. The horale tours every spring. May be repeated for credit.

USC 0141 COLLEGE CHORUS (1) Mixed voices, no audition quired. Performs on and off campus at least twice each semester. terature covers all periods of music history with emphasis on ajor works. May be repeated for credit.

USC 0142 MADRIGAL SINGERS (1) Mixed voices, by dition. Music for small ensemble from all periods of music story. Emphasis on the Renaissance Period and acappella singing. ay be repeated for credit.

USC 0143 THE WIND SYMPHONY (1) Open to all qualified idents through the successful completion of an audition. edicated to the finest in wind-instrument repertory. Several ncerts, both on and off campus each year. May be repeated for edit.

USC 0144 ORCHESTRA (1) A College-Community Ensemble hich is open to all students and interested musicians from the eater Westfield Area. Performance of standard orchestral erature. A performance each semester. May be repeated for dit.

USC 0145 JAZZ ENSEMBLE (1) A group of instrumentalists no perform arrangements in the Jazz and other popular idioms. audition only. May be repeated for credit.

USC 0146 JAZZ VOCAL ENSEMBLE (1) A group of sixteen gers and instrumentalists who perform arrangements in the Jazz d contemporary idioms. Semi-choreographed. By audition only. ay be repeated for credit.

USC 0240 CHAMBER ENSEMBLES (1) By special rangement. Small ensembles structured according to student erest and available faculty expertise. Recently offered: Brass uintet, Woodwind Quartet, Accordion Ensemble, Percussion semble, Trombone Choir, Horn Ensemble, Opera Workshop and ers. May be repeated for credit.

STRUMENTAL CLASSES

USC 0150-0151, 0250 PIANO CLASS (non-majors) (1-1-1) eginner, Intermediate, Advanced) Class instruction for students h little or no keyboard experience. Emphasis is on developing ictional skills at the keyboard and ability to interpret musical ation.

MUSC 0152-0153, 0252 PIANO CLASS I-III (for Music Majors) (1-1-1) A keyboard class designed to develop practical playing skills. Begins with emphasis on fundamental piano techniques, moves through emphasis on chording, accompanying, and improvising and sight reading, and concludes with the learning of assigned compositions and the development of transpositional skills.

MUSC 0154 WOODWIND CLASS (1) The focus will be on either Flute, Oboe/Bassoon, Clarinet, or Saxophone. Involves classroom study of the particular instrument through practical experience in performance to the extent that the student can demonstrate a knowledge of the basic fundamentals of embouchure, fingerings, breathing and tone production, as they apply to the particular instrument being studied.

MUSC 0155 BRASS CLASS (1) (Trumpet, Horn, Trombone, or Tuba) Classroom study of the particular instrument through practical experience in performance to the extent that the student can demonstrate a knowledge of the basic fundamentals of embouchure, fingerings, breathing and tone production as they apply to the particular instrument being studied.

MUSC 0156 VOICE CLASS (1) A course designed to meet the needs of the non-voice major in the Music major program. The class is conducted in the form of a vocal laboratory, in which the students work on the development of skills necessary for good singing.

MUSC 0157 PERCUSSION CLASS (1) The study and acquisition of skills applicable to the various instruments of the percussion section.

MUSC 0158 STRING CLASS (1) (Violin, Viola, Violoncello, or String Bass) Classroom study on a particular instrument. Practical experience in performance to the extent that the student can demonstrate a knowledge of the basic fundamentals of bowing, fingerings, and tone production as they apply to the particular instrument.

JAZZ STUDIES

MUSC 0260-0263 JAZZ INSTRUMENT OR VOICE I-IV (2-2-2-2) Study on the student's principal instrument of the techniques and stylistic considerations in the performance of Jazz. Prerequisite: MUSC 0174-0177.

MUSC 0264 JAZZ THEORY AND ANALYSIS (3) The study of jazz techniques and fundamentals including: improvisation, scales, chords, and rhythmic interpretation of jazz phrases. Prerequisite: MUSC 0111.

MUSC 0266 SMALL GROUP JAZZ WORKSHOP (1) The study of Jazz literature, current improvisational techniques and the performance practice made popular by the so-called "jam session."

MUSC 0267-0268 JAZZ KEYBOARD HARMONY I-II (1-1) Classroom piano instruction for students interested in jazz. Emphasis on II-V-I progressions, Blues forms, and other chord functions. Prerequisite: MUSC 0264.

MUSC 0360-0361 STAGE BAND ARRANGING I-II (3-3) A study of writing techniques for jazz ensembles, rock groups, and other ensembles. Prerequisites: MUSC 0264 and MUSC 0364.

MUSC 0362-0363 JAZZ IMPROVISATION I-II (2-2) Classes for developing skills in harmonic, melodic, and rhythmic improvisation through performance. Prerequisite: MUSC 0264.

MUSC 0364 CONTEMPORARY HARMONIC TECHNIQUES (3) Twentieth century chordal structures including extended chords, chromatic harmony, and harmonic substitutions. The keyboard will be used and all scoring will be for piano. Prerequisites: MUSC 0211 and MUSC 0264.

MUSC 0365 JAZZ VOCAL TECHNIQUES (3) A class for developing Jazz vocal phrasing, interpretations, and style. Scat singing is emphasized.

MUSC 0366 JAZZ VOCAL ARRANGING (3) A class for developing writing skills for Jazz vocal solos, duets, small and large ensembles. Notation is emphasized.

MUSC 0367 CHORD SCALES (2) The advance study of chord extensions, substitutions and alterations relating to scales and melody for use in instrumental solo playing and arranging. Prerequisites: MUSC 0110, MUSC 0111, MUSC 0262, and MUSC 0362.

MUSC 0399 INDEPENDENT STUDY (Jazz Studies) (3-6). Permission of instructor.

APPLIED MUSIC STUDIES

Private music lessons, required of all Music majors and Music minors, are provided by the Applied Music Studies Faculty. Music majors are exempt from applied music instruction fees for those hours specifically required for graduation, within their individual programs.

A PREREQUISITE to all first-year MAJOR INSTRUMENT OR VOICE study is a satisfactory entrance audition. MAJOR INSTRUMENT OR VOICE study is undertaken by each student in relation to one instrument from the following list:

Accordion	Horn	Trombone
Bassoon	Oboe	Trumpet
Clarinet	Organ	Tuba
Classical Guitar	Percussion	Viola
Euphonium	Piano	Violin
Flute	Saxophone	Violincello
Harpsichord	String Bass	Voice

MINOR INSTRUMENT OR VOICE levels listed below are generally taken only for elective credit. Any of the above instruments may be elected for Minor study. Syllabi which detail the requirements for each level are available through a separate departmental publication. MINOR INSTRUMENT OR VOICE study does not require a Jury Examination at the end of each semester.

MUSC 0170-0173 MINOR INSTRUMENT OR VOICE I-I
1-1-1-1

MUSC 0270-0273 MINOR INSTRUMENT OR VOICE V-V
1-1-1-1

Syllabi which detail the requirements for each level of MAJC INSTRUMENT OR VOICE are available through a separa departmental publication. A Juried Examination is required for t completion of each level.

MUSC 0174-0177 MAJOR INSTRUMENT OR VOICE I-I
2-2-2-2

MUSC 0274-0277 MAJOR INSTRUMENT OR VOICE V-V
2-2-2-2

MUSC 0374-0377 MAJOR INSTRUMENT OR VOICE IX-X
2-2-2-2

MUSC 0278 RECITAL CLASS (1) Application of platfor deportment, and performance experience. Attention is given aspects of programming works for recitals and concerts.

MUSC 0378 SENIOR RECITAL (0) Complete public recital solo and ensemble (optional) literature from the standard repertoi (sixty minutes minimum playing duration). Prerequisite: satisfactory junior performance; prerequisite to the juni performance is a satisfactory qualifying examination.

MUSICAL THEATRE

MUSC 0180 MUSICAL THEATRE PRACTICA (1) Participatic for a semester in the Musical Theatre Guild production, in one the following capacities: (a) Director, Musical Directo Choreographer, or Conductor, (b) Major or minor lead part, (Chorus plus serving on one crew. May be repeated for credi Prerequisite: Enrollment in the Musical Theatre Concentration.

MUSC 0399 INDEPENDENT STUDY (Musical Theatre) (3-6 Permission of instructor.

PHILOSOPHY

HILOSOPHY MINOR

udents who wish to add significant philosophic depth to their dergraduate program may take a minor in Philosophy. The minor nsists of 18 credits of Philosophy courses. The Philosophy epartment does not require a rigid sequence of courses but relies i advising to integrate the minor and the student's educational eds and interests.

ie philosophy faculty intends to provide courses to achieve the llowing:

* opportunities in all offerings for insight into and the methods r rigorous, carefully articulated, dynamic criticism of ideas and eories in general
* detailed, multi-level treatments of certain well-defined and ditionally important areas of thought such as political and social iilosophy, ethics, logic, religion, philosophy of science, and iilosophies of the human sciences
* a comprehensive range of courses outlining the development Western philosophies and identifying significant thinkers, with particular emphasis on modern and contemporary implications
* frequent and thorough analyses of issues which can utilize itfully and provocatively interdisciplinary perspectives and the plication of antithetical as well as complementary theories of owledge
* study of issues in ways which heighten and promote the ntinued vitality of a liberal arts education, especially the alytical and critical breadth which the humanities provide.

ie Department expects to advance these goals in part by often heduling courses on topical and timely subjects.

ie courses which follow are divided into three levels, varying by gree of difficulty and requirements for entrance. Level One urses have no prerequisites and are open to all students in the llege. Level Two courses generally have some form of erequisite, though under special circumstances these may be iived. Level Three courses usually contain more difficult terial; prerequisites should be expected, though not necessarily ly in philosophy. In all cases, however, the instructor may waive erequisites so as to give students opportunities to undertake a ious intellectual challenge.

OURSES

HIL 0101 INTRODUCTION TO SOCIAL AND POLITICAL HILOSOPHY (3) Introduction to philosophy through nsideration of topics such as individualism, order vs. freedom, lues within contemporary social movements, foundations of cial and political life, and analyses of modern culture as pressive of social and political ideas. Special attention given to t fundamentals of critical analysis.

PHIL 0102 INTRODUCTION TO ETHICS (3) Introduction to philosophy through consideration of classic and contemporary moral issues. Topics such as moral relativism, responsibility, the bases of systems of justice, moral consistency, and the structure and applications of ethical systems. Special attention given to fundamentals of critical analysis.

PHIL 0103 SYMBOLIC LOGIC I (3) Introduction to the principles and techniques of standard deductive logic: the nature of reasoning, argument, and inference; truth and validity; the application of logical rules to alternative types of deductive proof; the limits of sentence logic and an introduction to predicate logic. Attention given to the application of logic to other disciplines.

PHIL 0104 GREAT PHILOSOPHICAL ISSUES (3) Introduction to philosophy through consideration of historically recurrent themes such as materialism, mysticism, idealism, rationalism, and empiricism. Special attention given to the fundamentals of critical analysis and the interpretation of original sources.

PHIL 0107 MAJOR RELIGIONS OF THE WEST (3) Introduction to the history and the major doctrines of Christianity, Islam, Judaism, and Zoroastrianism. Special attention given to fundamentals of philosophical analysis of religious beliefs.

PHIL 0108 MAJOR RELIGIONS OF THE EAST (3) Introduction to the history and major doctrines of Buddhism, Confucianism, Hinduism, Jainism, Shinto, Sikhism, and Taoism. Special attention to the fundamentals of philosophical analysis of religious beliefs.

PHIL 0110 INTRODUCTION TO PHILOSOPHY OF SCIENCE (3) Introduction to classical and contemporary scientific world views and their respective philosophies of nature. Topics such as comparative studies of major scientific revolutions. Special attention given to the fundamentals of philosophical analysis of scientific theories.

PHIL 0200 SPECIAL TOPICS IN PHILOSOPHY: (3) Careful analytical treatment of selected philosophical issues, perspectives, or themes chosen for their timely interest. Significant topics such as Marxism, Eastern philosophies, myth and reality, minds and machines, and philosophy and the arts (music, film, drama, literature, painting, design, or sculpture; aesthetics). Prerequisite: 0100-level philosophy course or equivalent.

PHIL 0201 ANCIENT PHILOSOPHY (3) Reading and discussions of such ancient thinkers as the pre-Socratics, Socrates, Democritus, Plato, and Aristotle. Special attention to organizing ancient philosophical thought by examining historically recurrent themes; considering dominant perspectives such as Ionian nature-philosophy, atomism, skepticism, and Pythagoreanism. Prerequisite: 0100-level philosophy course or equivalent.

PHIL 0202 MODERN PHILOSOPHY: 15TH TO 18TH CENTURIES (3) Reading and discussion of selected major Continental and British thinkers of the period such as Cusanus, Bacon, Descartes, Pascal, Locke, and Kant. Special attention given to organizing early modern philosophical thought by examining historically recurrent themes; considering crucial developments such as the New Physics, the tensions of form and experiment, and the conflict between reason, doubt, and revelation. Prerequisite: 0100-level philosophy course or equivalent.

PHIL 0203 MODERN PHILOSOPHY: THE 19TH CENTURY (3) Reading and discussion of selected major Continental and British thinkers of the century such as Hegel, Marx, Kierkegaard, Nietzsche, Darwin, and Mach. Special attention to organizing 19th century philosophical thought by examining historically recurrent themes; considering trends such as Romanticism, Marxism, subjectivism, naturalism, and mechanism. Prerequisite: 0100-level philosophy course or equivalent.

PHIL 0206 SYMBOLIC LOGIC II (3) Careful treatment of predicate logic through the theory of relations. Introduction to philosophical logic by consideration of alternative theories of consistency and proof. Some recent investigations of the nature and varieties of paradox and their impact on reasoning and inference. Special attention given to the applications of such logics to artificial, natural, and expressive languages. Prerequisite: PHIL 0103 or its equivalent.

PHIL 0209 PHILOSOPHY OF RELIGION (3) Careful analytical treatment of the various problems of religious discourse. Significant topics such as the problem of the existence of a god (or gods), the nature of religious experience, and the question of revelation. Prerequisites: PHIL 0107, PHIL 0108, or equivalent.

PHIL 0212 PHILOSOPHY OF SCIENCE (3) Careful analytical treatment of the conceptual foundations of scientific thought. Topics such as space, time, and relativity; determinism and indeterminism; causality and chance; alternative views of explanation, theory construction, truth. Special attention given to examples selected from mathematics and/or physical sciences. Prerequisite: PHIL 0110 or its equivalent.

PHIL 0213 PHILOSOPHY AND MODERN ORGANIZATIONS: (3) Careful analytical treatment of selected modern institutions so as to understand their philosophical presuppositions, ethics, languages, orders, and impact on and view of the person. Topical consideration of agencies, professions, and social groups such as those involved with medicine, the law, business, psychiatry and psychology, education, and government. Under this course number might appear biomedical, media, scientific, or legal ethics; philosophies of law or of jurisprudence, etc. Prerequisite: 0100-level philosophy course or equivalent.

PHIL 0214 PHILOSOPHY OF THE SOCIAL SCIENCES (3) Careful analytical treatment of knowledge in the social sciences. Comparisons with scientific criteria emphasized. Special attention given to relations between philosophical and social commitments and social-scientific methodologies. Prerequisite: 0100-level philosophy course or equivalent.

PHIL 0215 AMERICAN PHILOSOPHY (3) Reading an discussion of selected major American thinkers such as Cotto Mather, Edwards, Royce, Peirce, William James, Dewey, an Santayana. Special attention given to organizing America philosophical thought by examining historically recurrent theme (including the various religious, socio-cultural, and metaphysica views of the person, the group, knowledge itself, and ultimate-valu systems advanced by such philosophers); considering perspective such as idealism, utilitarianism, pragmatism, individualism naturalism, and positivism. Prerequisite: 0100-level philosoph course or equivalent.

PHIL 0216 CONTEMPORARY PHILOSOPHY (3) Reading an discussion of selected thinkers of the 20th Century such as Sartre de Beauvoir, Heidegger, Wittgenstein, Russell, Whitehead, and th "Vienna Circle." Special attention given to organizin contemporary philosophical thought by examining historicall recurrent themes; considering perspectives such as existentialism phenomenology, analytic philosophy, philosophies of language, an philosophies of liberation. Prerequisite: 0100-level philosoph course or equivalent.

PHIL 0217 PHILOSOPHY AND FILM (3) Study of film esthetic and concepts in selected movies and related intellectual movements thinkers, or film-makers. Special emphasis on those informed b philosophical movements such as existentialism, Marxism modernism, or postmodernism. Topics drawn from cinema dealin with ethics, social and political philosophies, religious themes, o modern metaphysics, with attention to film criticism written by 20t century thinkers with philosophical training and interests Prerequisite: 0100-level philosophy course or equivalent.

PHIL 0300 SEMINAR IN PHILOSOPHY: (3) Intensive analysi of selected issues, problems, figures, or areas in philosophy Prerequisite: 0200-level philosophy course or consent of instructor

PHIL 0304 SEMINAR IN INFERENCE AND INQUIRY: (3 Intensive analysis of the structures of inference and modes o inquiry in the formal, empirical, or human sciences. Topic selected from the mathematical, physical, biological, and socia sciences. Special attention given to the logical, methodological, an epistemological status of models, laws, paradigms, and theories Prerequisite: 0200-level philosophy course or consent of instructor

PHIL 0305 SEMINAR IN VALUE THEORY: (3) Intensiv analysis of selected issues, problems, figures, or areas concerne with topics such as free choice, "right action," persona commitment, systems of values, and socio-cultural norms. Prerequisite: 0200-level philosophy course or consent of instructor

PHIL 0306 SEMINAR IN RELIGIOUS STUDIES: (3) Intensiv analysis of selected issues, problems, figures and areas within th history and in the philosophical consideration of religious belief Prerequisite: 0200-level philosophy course or consent of instructor

PHIL 0333 SEMINAR IN INTERDISCIPLINARY STUDIES: (3) A seminar with intensive analysis of selected issues, problems, thinkers, or areas which can involve interdisciplinary perspectives or which raise traditionally interdisciplinary questions. Consideration of the forms, fundamental ideas, and structures of intellectual and academic disciplines. May be offered in conjunction with other departments. Prerequisite: 0200- or 0300-level course work or consent of instructor.

PHIL 0399 INDEPENDENT STUDY: (1 to 6 credits) Directed written or reading projects to be arranged by the student and instructor. Intensive analysis of student work. Prerequisite: advanced work in philosophy or other disciplines.

PHYSICAL SCIENCE

The Physical Science Department is a multidisciplinary department which includes physics, chemistry, electronics, geology, and astronomy. The Department offers a Bachelor of Science degree in General Science with concentrations in general science or chemistry. The general science concentration is designed for students who plan to teach general science at the middle school, junior high school, or high school level. The chemistry concentration prepares students for teaching, graduate school or employment. Graduates have obtained positions as laboratory technicians, medical technologists, and teachers. Students who choose to teach general science or chemistry must also elect professional secondary education courses.

The Department also offers a Bachelor of Science degree in Applied Chemistry. The primary emphasis of the major is the application of the principles of chemistry, physics, computer science, and electronics to chemical instrumentation. The curriculum includes a basic study of chemistry and physics along with the various aspects of electronics and computer technology required to produce hardware and software interfaces between instruments and computers.

Majors in Applied Chemistry have been employed in the field or have gone on to graduate school.

The Department offers minor programs in General Science and Chemistry.

Housed on the third floor of Wilson Hall, the department uses nine laboratories with the latest safety features. The chemistry labs are equipped with compressed air, vacuum, gas, steam, A.C. and controlled D.C. power, and fume hoods. Several labs are equipped with modern chemical instruments and microcomputers. The department possesses infrared, ultraviolet, flame and atomic absorption spectrophotometers, gas and liquid chromatographs, and a chemical laboratory robotics system among other instruments.

REQUIREMENTS FOR APPLIED CHEMISTRY MAJOR: 60 CREDITS

Students will be asked to take Calculus I and II as part of the All College General Education Core. General Chemistry I and Physics I may also be used to fulfill the All College General Education Core. The major will be effectively reduced to 48 credit hours.

REQUIRED COURSES:

PHYS 0109 General Chemistry I and Lab	(4)
PHYS 0111 General Chemistry II and Lab	(4)
BIOL 0104 General Biology I	(4)
MATH 0105 Calculus I	(4)
MATH 0106 Calculus II	(4)
PHYS 0119 Physics I and Lab	(4)
PHYS 0121 Physics II and Lab	(4)
PHYS 0137 Introduction to Digital Electronics	(3)
PHYS 0201 Organic Chemistry I and Lab	(4)
PHYS 0203 Organic Chemistry II and Lab	(4)
PHYS 0205 Physical Chemistry	(3)
PHYS 0209 Analytical Chemistry and Lab	(4)
PHYS 0211 Instrumental Analysis and Lab	(4)
PHYS 0213 Biochemistry	(3)
PHYS 0310 Advanced Instrumental Analysis	(4)
PHYS 0320 Microcomputer Applications in the Laboratory	(3)

REQUIREMENTS FOR GENERAL SCIENCE OR CHEMISTRY CERTIFICATION

Certification may be earned for General Science (5-9, 9-12) or Chemistry (9-12). Students wishing to be certified to teach at the Middle or Secondary School levels must complete the following:

All courses for the General Science major with a General Science or Chemistry Concentration
The secondary education sequence described in the Education Department listings
The appropriate academic methods course:
- PHYS 0231 Methods of Science Education for the Middle School
- PHYS 0241 Methods of Physical Science Education
- PHYS 0251 Methods of Chemistry Education

NOTE: A MINIMUM CUM OF 2.7 IS REQUIRED FOR A PRACTICUM PLACEMENT.

GENERAL SCIENCE CONCENTRATION

This program is designed for, and only recommended to those students planning to teach general science at the 5-9 or 9-12 level. The student should choose, as electives, courses which meet the professional sequence recommended by the College for middle school or secondary school certification.

REQUIRED COURSES:

MIDDLE SCHOOL (GRADES 5-9) CERTIFICATION:

MATH 0103 College Algebra	(3)
MATH 0104 Precalculus	(3)
PHYS 0115 General Physics I and Lab	(4)
PHYS 0117 General Physics II and Lab	(4)

SECONDARY SCHOOL (GRADES 9-12) CERTIFICATION:

MATH 0105 Calculus I	(4)
MATH 0106 Calculus II	(4)
PHYS 0119 Physics I and Lab	(4)
PHYS 0121 Physics II and Lab	(4)

REQUIRED FOR BOTH MIDDLE SCHOOL (GRADES 5-9) AND SECONDARY SCHOOL (GRADES 9 - 12) CERTIFICATION:

PHYS 0109 General Chemistry I and Lab	(4)
PHYS 0111 General Chemistry II and Lab	(4)
PHYS 0133 Astronomy	(3)
PHYS 0104 Physical Geology	(3)
PHYS 0105 Physical Geology Lab	(1)
PHYS 0106 Historical Geology	(3)
BIOL 0104 General Biology I	(4)

One of the following:

BIOL 0102 Environmental Biology	(4)
BIOL 0106 General Biology II	(4)

Elect a minimum of nine credits from the list below with a minimum of one course from each category listed:

Biology

BIOL 0203 Genetics I	(4)
BIOL 0205 Cell Biology	(4)
BIOL 0211 Botany of Higher Plants	(4)
BIOL 0221 Vertebrate Physiology	(4)
BIOL 0223 Microbiology	(4)
BIOL 0237 Human Anatomy and Physiology	(4)

Chemistry

PHYS 0201 Organic Chemistry I and Lab	(4)
PHYS 0203 Organic Chemistry II and Lab	(4)
PHYS 0205 Physical Chemistry	(3)
PHYS 0209 Analytical Chemistry and Lab	(4)

If a student should use any of the listed courses for credit in the common core, the number of credit hours needed for the concentration would be reduced accordingly.

REQUIREMENTS FOR THE MINOR IN GENERAL SCIENCE: 23 Credits

REQUIRED COURSES:

PHYS 0101 Physical Science or PHYS 0113 Introduction to Physics	(4)
BIOL 0102 Environmental Biology or BIOL 0104 General Biology I	(4)
PHYS 0107 Introduction to Chemistry or PHYS 0109 General Chemistry I	(4)
IDIS 0260 Elementary Mathematics and Science	(4)
PHYS 0104 Physical Geology Lecture and PHYS 0105 Geology Lab	(4)
PHYS 0133 Astronomy	(3)

REQUIREMENTS FOR CHEMISTRY CONCENTRATION: 48 Credits

Students wishing to obtain certification to teach chemistry should use electives to meet the professional sequence for secondary education recommended by the College.

REQUIRED COURSES:

MATH 0105 Calculus I *	(4)
MATH 0106 Calculus II	(4)
PHYS 0119 Physics I and Lab	(4)
PHYS 0121 Physics II and Lab	(4)
PHYS 0109 General Chemistry I and Lab	(4)
PHYS 0111 General Chemistry II and Lab	(4)
PHYS 0201 Organic Chemistry I and Lab	(4)
PHYS 0203 Organic Chemistry II and Lab	(4)
PHYS 0209 Analytical Chemistry and Lab	(4)
PHYS 0211 Instrumental Analysis and Lab	(4)
PHYS 0205 Physical Chemistry	(3)
PHYS 0213 Biochemistry	(3)
PHYS 0304 Seminar in Applied Chemistry	(1)
PHYS 0229 Theoretical and Experimental Research	(1)

* A student who does not feel sufficiently prepared to undertake calculus should take College Algebra and/or Precalculus.

If a student should use any of the above courses for credit in the General Core, the number of credit hours needed for the concentration would be reduced accordingly.

REQUIREMENTS FOR THE CHEMISTRY MINOR: 18-20 Credits

REQUIRED COURSES:

PHYS 0109 General Chemistry I	(4)
PHYS 0111 General Chemistry II	(4)

10 credit hours selected from the following courses:

PHYS 0201	Organic Chemistry I	(4)
PHYS 0203	Organic Chemistry II	(4)
PHYS 0205	Physical Chemistry	(3)
PHYS 0209	Analytical Chemistry w/lab	(4)
PHYS 0211	Instrumental Analysis	(4)
PHYS 0213	Biochemistry	(3)

COURSES

PHYS 0101 PHYSICAL SCIENCE (4) Includes the basic concepts of physics such as elementary study of mechanics, heat, sound, light, magnetism, and electricity, along with introductory topics in Earth-Space science and Chemistry. Three lectures and one double-period laboratory session per week.

PHYS 0104 PHYSICAL GEOLOGY (3) A systematic examination of the rocks and minerals which compose the earth's crust and the processes of weathering and erosion which sculpture the crust. Structural, tectonic, and other long-term activities are investigated. Three hours lecture per week. May be taken without laboratory.

PHYS 0105 PHYSICAL GEOLOGY LABORATORY (1) Introduces students to the practical aspects of mineral and rock identification, the interpretation of topographic maps, and the use of maps to study landforms. The course includes several field trips that involve additional time commitments (on weekends or beyond normal ending-time for the laboratory). Prerequisite: PHYS 0104 or concurrent registration.

PHYS 0106 HISTORICAL GEOLOGY (3) Surveys earth history (with an emphasis on North America), as deduced from the rocks exposed at the earth's surface. Major topics to be covered include the interpretation of sedimentary rock sequences in terms of surface environments at different times in the past, the history of life on earth as revealed in the fossil record, and a synthesis of earth history in terms of plate tectonics.

PHYS 0107 INTRODUCTION TO CHEMISTRY (4) A one-semester course consisting of a broad look at fundamental concepts of modern chemistry. Topics studied will include atomic and molecular structure, physical and chemical changes, acid-base chemistry, organic chemistry, and biochemistry. These concepts will be applied to the examination of our energy picture, environmental, chemical technological processes, and other related matters. Three hours lecture, three hours laboratory per week.

PHYS 0109 GENERAL CHEMISTRY I (4) A broad look at the fundamental concepts of modern chemistry including the mole concept, stoichiometry, heat, the periodic table, atomic structure, bonding, gas phase chemistry, and organic chemistry. Three hours lecture, three hours laboratory per week.

PHYS 0111 GENERAL CHEMISTRY II (4) A continuation of General Chemistry I. The topics covered include solid, liquid and solution chemistry; chemical equilibrium; chemical kinetics and chemical reactions; acid-base theory; electrochemistry; nuclear chemistry; and selected topics. Three hours lecture, three hours laboratory per week. Prerequisite: PHYS 0109.

PHYS 0113 INTRODUCTION TO PHYSICS (4) A largely non-mathematical introduction to physics. The course is designed to introduce students to the methodology and content of physics through the study of fundamental physical laws and applications of those laws to problems in the life sciences, geo-sciences and space sciences. Topics from both classical and modern physics will be included. Laboratory work is an integral part of the course and emphasizes a "discovery" approach. Three hours lecture, one hour discussion, and two hours of laboratory work per week.

PHYS 0115 GENERAL PHYSICS I (4) An algebra-based introduction to physics. Classical mechanics forms the core of the course. Topics to be covered include kinematics and dynamics of motion in one, two, and three-dimensions, work, energy, conservation laws, rotational motion, static equilibrium, and gravitation. Additional topics may include oscillations and waves, sound, fluid mechanics, and/or elementary thermodynamics. Three hours lecture, one hour discussion, and two hours of laboratory per week.

PHYS 0117 GENERAL PHYSICS II (4) A continuation of General Physics I (algebra-based physics). The major topic for the second semester is classical electromagnetism. Topics to be covered include Coulomb's Law, electric potentials, electric and magnetic fields, electromagnetic induction, simple AC and DC circuits, and an introduction to optics. Additional topics may include thermodynamics and/or an introduction to special relativity. Three hours lecture, one hour discussion, and two hours of laboratory work per week. Prerequisite: PHYS 0115.

PHYS 0119 PHYSICS 1 (4) A calculus-based introduction to physics. Classical mechanics forms the core of the course. Topics to be covered include kinematics and dynamics of motion in one, two, and three-dimensions, work, energy, conservation laws, rotational motion, static equilibrium, and gravitation. The use of elementary calculus to solve problems involving trajectories, work, and one-dimensional potentials will be stressed. Three hours lecture, one hour discussion, and two hours of laboratory work per week. Prerequisite: MATH 0105 or concurrent registration.

PHYS 0121 PHYSICS II (4) A continuation of Physics 1 (calculus-based physics). The major topic for the second semester is classical electromagnetism. Topics to be covered include Coulomb's Law, Gauss' Law, electric potentials, electric and magnetic fields, electromagnetic induction, simple AC and DC circuits, Maxwell's equations and an introduction to optics. Mathematically, this course introduces students to applications of the integral calculus in solving simple two and three-dimensional potential problems. Three hours lecture, one hour discussion, and two hours of laboratory work per week. Prerequisites: PHYS 0119 and MATH 0106 or concurrent registration.

PHYS 0133 ASTRONOMY (3) A broad introductory survey of astronomy. Topics to be covered include history of astronomy, the night sky, the Earth and Moon, the solar system, spacecraft exploration of the planets, stars and stellar evolution, supernovae, pulsars, black holes, the Milky Way, galaxies, quasars, and cosmology. Several optional observing sessions will be held on clear evenings.

PHYS 0137 INTRODUCTION TO DIGITAL ELECTRONICS (3) This course is intended for students majoring in one of the sciences (Computer Science, Biology, Psychology, or General Science) or others who might expect a knowledge of basic electronics, digital logic and practical instrumentation to be useful. Basic electricity, electrical measurements, and electronic components including integrated circuits will be introduced. The course will emphasize applications using numerous practical or computer related activities.

PHYS 0201 ORGANIC CHEMISTRY 1 (4) A survey of general organic chemistry. Preview of chemical principles; the structure, nomenclature, properties and uses of aliphatic and aromatic compounds. Discussion includes the isolation and identification of organic compounds, nucleophilic displacement and elimination reactions and organometallic compounds. Three hours lecture, three hours laboratory per week. Prerequisite: PHYS 0111.

PHYS 0203 ORGANIC CHEMISTRY II (4) A continuation of Organic Chemistry I. The chemistry, properties and uses of alcohols, ethers, aldehydes, ketones, and organic acids are studied. Stereochemistry of organic structures are discussed. Carbohydrates, amino acids, proteins, and related biological processes are considered in emphasizing the life sciences and biochemical reactions. Three hours lecture, three hours laboratory per week. Prerequisite: PHYS 0201.

PHYS 0205 PHYSICAL CHEMISTRY (3) Investigates the structure and properties of matter. The course involves detailed studies of the gas laws, kinetic-molecular theory, thermodynamics, thermochemistry, physical and chemical equilibria, and chemical bonding. Prerequisites: PHYS 0111, MATH 0106.

PHYS 0209 ANALYTICAL CHEMISTRY (4) Consists of lectures, discussions, and laboratory work, covering the fundamentals of analysis. Study includes gravimetric analysis, volumetric analysis, and the statistical treatment of data. A main aspect of lecture will be the application of equilibrium to acid-base, precipitation, redox, and complex formation reactions. An important objective of the laboratory is the development of good laboratory technique. Three hours lecture, three hours laboratory per week. Prerequisite: PHYS 0111.

PHYS 0211 INSTRUMENTAL ANALYSIS (4) Consists of lectures, discussions, and laboratory work covering the fundamentals of analysis. Emphasis will be on modern methods of instrumental analysis. Three hours lecture, three hours laboratory per week. Prerequisite: PHYS 0209.

PHYS 0213 BIOCHEMISTRY (3) The first portion of this course will study important biochemicals including water, amino acids, peptides, proteins, enzymes, carbohydrates, lipids, and nucleotides. The latter portion will examine the relationship of these compounds to bioenergetics, glycolysis, the tricarboxylic acid cycle, electron transport, oxidative phosphorylation, fatty acid oxidation and biosynthesis, carbohydrate biosynthesis, nitrogen and amino acid metabolism, protein synthesis, and photosynthesis. An effort will be made to correlate the various metabolic pathways with the cells and organelles of biological systems. Special topics may be covered if time should be available. 3 hour lecture. Corequisite: PHYS 0201

PHYS 0214 BIOCHEMISTRY LABORATORY (1) A three-hour laboratory session allowing students to develop laboratory technique in relationship to the study of biochemistry.

PHYS 0229 THEORETICAL & EXPERIMENTAL RESEARCH (1-3)

PHYS 0230 EARTH AND SPACE SCIENCES SEMINAR (1) Offers students a chance to pursue topics in astronomy, geology, or related fields at a level beyond that of the introductory courses in those areas. One or more topics from a single discipline will serve as a focus for the course each semester. Topics will vary depending on the interests of the instructor and the students. Active student participation is required. May be repeated for credit with a different topic. Prerequisite: permission of the instructor.

PHYS 0231 METHODS OF SCIENCE EDUCATION FOR THE MIDDLE SCHOOL/JR. HIGH SCHOOL (3) Designed to introduce the skills and techniques required for the successful teaching of General Science in the Middle School or Junior High School. The National Science Foundation programs and curricula based on these programs, with their emphasis on the inquiry approach, will be explored. Other topics will include evaluation techniques, laboratory safety, computer software, science societies, and journals. Prerequisites: Completion of a minimum of 20 hours of requirements for the General Science Major.

PHYS 0241 METHODS OF PHYSICAL SCIENCE EDUCATION (3) is designed to introduce the skills and techniques required for the successful teaching of General Science and Chemistry in the secondary school. The National Science Foundation programs and curricula based on these programs, with their emphasis on the inquiry approach, will be explored. Other topics will include evaluation techniques, laboratory safety, computer software, science societies and journals. Prerequisites: Completion of a minimum of 20 hours of the requirements for the General Science Major.

PHYS 0251 METHODS OF CHEMISTRY EDUCATION (3) Emphasizes the inquiry approach to teaching chemistry. Students will be introduced to the National Science Foundation Developed Chemistry Programs and the current curricula based on these programs. Students will make a series of planned observations in area schools. Observations will be the basis for discussion of topics including: evaluation; discipline; laboratory procedures and safety. Students will also present lessons to both their classmates and to one of the classes which they have observed. Other areas presented in this course will include professional organizations and journals, chemistry software, audiovisual and IEPs. Prerequisite: 24 hours in Chemistry.

PHYS 0304 SEMINAR IN APPLIED CHEMISTRY (1) A series of lectures by invited chemists active in non-academic laboratories (e.g. industrial, government, hospital). Sponsored jointly with the Cooperating Colleges of Greater Springfield (CCGS). The course will be offered only on a pass/fail basis. Prerequisite: PHYS 0111.

PHYS 0310 ADVANCED INSTRUMENTAL ANALYSIS (4) The course will examine both theoretical and experimental aspects of current instrumental analysis. Emphasis will be placed on capillary gas chromatography, Fourier-transform, infrared and nuclear magnetic resonance spectroscopy, mass spectroscopy, and inductively coupled plasma emission spectroscopy. Basic principles of quantum chemistry and their application to atomic and molecular spectroscopy will be studied. Other topics will include automated chemical analysis, robotics, and the use of computers for instrument control, data collection and library search techniques. Combined lecture/lab will be 6 hours per week. Prerequisites: PHYS 0211 and PHYS 0320.

PHYS 0320 MICROCOMPUTER APPLICATIONS IN THE LABORATORY (3) Introduces students to the use of microcomputers for data acquisition and control in the laboratory. Students will utilize common digital parallel and serial interfaces for microcomputers. Analog signal conditioning requirements and techniques will be explored and students will be introduced to digital signal processing. Students will learn to use commercial I/O data acquisition hardware, as well as prototype systems constructed in the laboratory. They will learn to use commercial software and to write their own simple programs. Applications to the chemical laboratory will be stressed. Prerequisites: PHYS 0117, PHYS 0137, and PHYS 0211.

PHYS 0399 INDEPENDENT STUDY (3-6). Permission of instructor.

INTERDISCIPLINARY STUDIES COURSES

IDIS 0260 ELEMENTARY MATHEMATICS AND SCIENCE (4) The course is designed to introduce the prospective elementary teacher to an integrated approach to the teaching of mathematics and sciences. An activity based format will be used to create a learning environment that fosters an exploration of the processes of science and mathematics. Emphasis will be placed on the role and use of manipulative in a laboratory setting that encourages the development of fundamental concepts in both disciplines. Topics may include: the inductive and deductive processes, measurement, graphing, cognitive development theory, discussion of innovative projects typified by the PALMS Project that integrates mathematics and the sciences, techniques for assessment, energy and matter, number and arithmetic operations, serial dilution, patterns, variables, modeling and geometry. Prerequisites: Mathematics and Science courses required for elementary teacher certification or permission of instructors.

POLITICAL SCIENCE

The Department of Political Science offers five tracks designed to serve students who are 1) interested in political science as citizens or 2) interested in political science as a profession. These tracks include law, teaching/graduate study, political action/community service, public sector professions, as well as interdisciplinary law. The internship program, a key element in the department's offerings, features 3 to 6 credit placements locally and in Boston and a 15-credit program in Washington, D.C. Each year, the International Relations Club participates in a model United Nations in New York City and often in other models as well. The department also sponsors a local chapter of the national honor society in Political Science, Pi Sigma Alpha.

Political scientists learn to think critically and analytically and to apply a broad understanding of the nature of politics to the important questions of our time. A major in Political Science alone or in combination with another major not only prepares you for careers in law or government, but also provides you with skills necessary in a wide range of other professional and managerial positions.

REQUIREMENTS BACHELOR OF ARTS IN POLITICAL SCIENCE: 36 CREDITS

Nine credits of required courses including:

- POLS 0101 American National Government (3)
- POLS 0206 Political Analysis (3)
- One course selected from the following:
  - POLS 0103 State and Local Government (3)
  - POLS 0210 Comparative European Government (3)
  - POLS 0205 Urban Politics (3)
  - POLS 0308 Constitutional Law (3)

Twelve credits in one of four tracks in political science or 18 hours in the Interdisciplinary Law and Legal Studies track.

Fifteen credits of additional political science course work.

MAJOR FIELDS OF CONCENTRATION

Note: Special Topics and Internships may be offered in any of the following five tracks:

Track 1: Law -- Courses analyzing and evaluating the American legal system and providing preparation for law school and legal professions. (Choose four).

- POLS 0207 Administrative Law (3)
- POLS 0308 Constitutional Law (3)
- POLS 0309 Civil Liberties I (3)
- POLS 0315 Comparative Judicial Systems (3)
- POLS 0316 Adjudication of Social Issues (3)
- POLS 0323 Special Topics (3)
- POLS 0397 Internship (3 or 6)
- POLS 0398 Washington Internship (15)

Track 2: Teaching/Graduate Study -- Courses providing academic and methodological preparation for teaching and/or graduate study in political or social science. (Choose four).

- POLS 0209 International Relations (3)
- POLS 0210 Comparative European Government (3)
- POLS 0211 Comparative Foreign Policy (3)
- POLS 0301 Political Theory I (3)
- POLS 0302 Political Theory II (3)
- POLS 0304 American Political Ism's (3)
- POLS 0305 American Foreign Policy (3)
- POLS 0317 Comparative Ideological Systems (3)
- POLS 0321 Issues In U.S. Politics (3)
- POLS 0324 Third World Politics (3)
- POLS 0397 Internship (3 or 6)
- POLS 0398 Washington Internship (15)

Track 3: Political Action/Community Service -- Courses relevant to those seeking to be active in political life and/or involved in social change. (Choose four).

- POLS 0103 State and Local Government (3)
- POLS 0205 Urban Politics (3)
- POLS 0211 Comparative Foreign Policy (3)
- POLS 0304 American Political Ism's (3)
- POLS 0305 American Foreign Policy (3)
- POLS 0306 Political Change in the U. S. (3)
- POLS 0307 Executive & Legislative Politics (3)
- POLS 0319 Bureaucratic Politics (3)
- POLS 0321 Issues in U.S. Politics (3)
- POLS 0323 Special Topics (3)
- POLS 0324 Third World Politics (3)
- POLS 0397 Internship (3 or 6)
- POLS 0398 Washington Internship (15)

Track 4: Public Sector Professions -- Courses providing necessary academic and technical expertise for professions in the public sector and for graduate study in public administration and public policy (Choose four)

- POLS 0103 State and Local Government (3)
- POLS 0204 Introduction to Public Administration (3)
- POLS 0205 Urban Politics (3)
- POLS 0210 Comparative European Government (3)
- POLS 0211 Comparative Foreign Policy (3)
- POLS 0318 Public Management Skills (3)
- POLS 0319 Bureaucratic Politics (3)
- POLS 0320 Politics of Budget-Making (3)
- POLS 0321 Issues in U.S. Politics (3)
- POLS 0322 Race and Ethnicity in US Politics (3)
- POLS 0323 Special Topics (3)
- POLS 0397 Internship (3 or 6)
- POLS 0398 Washington Internship (15)

Track 5: Interdisciplinary Law and Legal Studies -- All students in this track must take the four courses listed in Phase I. In addition, they must take two courses from Phase II. The two courses outside the Political Science Department will count toward the major **only** within this track.

Phase I - Required Courses

POLS 0207 Administrative Law	(3)
POLS 0308 Constitutional Law	(3)
POLS 0309 Civil Liberties I	(3)
POLS 0316 Adjudication of Social Issues	(3)

Phase II - Select Two Courses

PHIL 0103 Symbolic Logic	(3)
CRJU 0204 Principles of Investigation	(3)
CRJU 0305 Principles of Evidence and Proof	(3)
BIOL 0223 Environmental Legislation	(3)
MGMT 0241 Business Law I	(3)
MGMT 0301 Labor Relations	(3)
CRJU 0203 Criminal Law	(3)
CRJU 0316 Civil Liabilities for Criminal Justice Professionals	(3)
MCOM 0307 Broadcast Law	(3)
POLS 0315 Comparative Judicial Systems	(3)

Note: POLS 0323: Special Topics in Political Science may be applied to any track depending on the subject of the course.

POLITICAL SCIENCE MINOR: 18 CREDITS

Students in such fields as economics, business management, history, psychology or criminal justice often find the option of a minor in political science particularly attractive. Students who wish to minor in political science are required to take 18 credits of courses within the Department. An internship may make up part of the 18 credits if the student qualifies for such a program and receives such an assignment.

URBAN STUDIES CONCENTRATION

The student who wishes to be a Political Science major (36 credits) with a minor in Urban Studies (18 credits) may take any track either with or without an internship. The student should choose his/her required additional 18 credits in other departments with the assistance of his/her advisor. These credits may be selected in such areas as: history, mathematics, geography and regional planning, education, economics, sociology, business management and psychology.

COURSES

POLS 0101 AMERICAN NATIONAL GOVERNMENT (3) Fundamental course dealing with the constitution, congress, president, courts, and political party systems of the American national government.

POLS 0103 STATE AND LOCAL GOVERNMENT (3) Fundamental course dealing with the powers, organization, functions and intergovernmental relations of the state, country, municipality and other local governments.

POLS 0204 INTRODUCTION TO PUBLIC ADMINISTRATION (3) The relationship of the administrative branch of government to other branches in the making and implementation of public policy, theories of government organization for efficient administration, problems of budgeting, personnel, merit systems, types of agency organization, popular control over the bureaucracy.

POLS 0205 URBAN POLITICS (3) Exemplifies the areas of "urban problems" in the context of leading political science theories, and in turn examines these writings in light of contemporary developments in the cities.

POLS 0206 POLITICAL ANALYSIS (3) Quantitative and qualitative approach to understanding how theory is constructed. Political thought and action and its relation to normative and empirical studies found in the following disciplines: Philosophy, Sociology, Economics, and Science. Emphasis on how political theory and analysis deals critically with social change through the mediation of structural functional and conflict models of change.

POLS 0207 ADMINISTRATIVE LAW (3) Law concerning the powers and procedures of administrative agencies and the part they plan in setting and rejecting governmental policy. Special attention is put on the courts' role in mediating agency actions and their constitutionality within the branches of the federal government.

POLS 0209 INTERNATIONAL RELATIONS (3) An introduction to the nation-state system and conceptions of national interest in modern world politics. The forms and distribution of power by which states seek to implement national interest. The making of foreign policy and methods of adjusting international conflict. Emphasis on current international problems.

POLS 0210 COMPARATIVE EUROPEAN GOVERNMENT (3) The institutional approach will be employed to the study of the governments of England, France, Italy, Germany, and the Soviet Union. The institutional approach considers the organizations of governments, their constitutional basis, their sources of legitimacy, and their methods of operation. This approach seeks to understand the workings of governments by an analysis of these components.

POLS 0211 COMPARATIVE FOREIGN POLICY (3) The nation-state and its power relationships with other states and international organizations, regional and global. A theoretical study of the cultural, ideological, economic, institutional, and personality influences on the foreign policy of particular countries. The country studied will change from semester to semester. Students may therefore enroll for the course more than once. Prerequisite: POLS 0101.

POLS 0301-0302 POLITICAL THEORY, I, II (3 each) Selected issues in the history of political thought with emphasis on their pertinence to ancient and recent political, economic, and social problems.

POLS 0304 AMERICAN POLITICAL ISM's (3) Analysis of the origin and function of theory and ideology in the American political and institutional experience with regard to such categories as: Conservatism, Liberalism, Socialism, Elitism, and Managerialism (political economy). Special emphasis will be placed on the contemporary impact of such ideological labels.

POLS 0305 AMERICAN FOREIGN POLICY (3) Constitutional, political, ideological, and administrative considerations which influence the formulation and execution of American foreign policy. Special emphasis on current issues.

POLS 0306 POLITICAL CHANGE IN THE U. S. (3) A study of how the political ideas, values, and goals of the American people are expressed through the machinery of American politics: parties, elections, interest groups and social movements.

POLS 0307 EXECUTIVE AND LEGISLATIVE POLITICS (3) The origins, development, and functions of the executive and legislative branches of American Government. The study of the impact of social structure and the economic system on these institutions. Analysis and discussion of their power relationships and their place in American politics.

POLS 0308 CONSTITUTIONAL LAW (3) The Federal system under the Constitution of the United States, judicial review in constitutional cases, state and local rights and responsibilities.

POLS 0309 CIVIL LIBERTIES (3) Selected cases dealing with constitutionally protected rights of speech, press, and assembly, as well as with court created rights.

POLS 0315 COMPARATIVE JUDICIAL SYSTEMS (3) A study of selected countries' judicial systems dealing with each system's origins, development, and the kinds of cases which the system is called upon to adjudicate.

POLS 0316 ADJUDICATION OF SOCIAL ISSUES (3) A study of the extensive changes in the American social, economic, and political structure brought about within the framework of the judicial process.

POLS 0317 COMPARATIVE IDEOLOGICAL SYSTEMS (3) An examination of the major theoretical foundations of communism, fascism, democracy and socialism. A study of ideological doctrines and institutional patterns and their consequences and prospects for the future.

POLS 0318 PUBLIC MANAGEMENT SKILLS (3) Emphasizes those areas most important to administration, including in-depth work in public budgeting and finance skills; details of public personnel activities and problems (recruiting, hiring, training, promotions, etc.); various facets of public relations, ranging from inter-organization communication to dealing with media; leadership, decision-making and supervision. Draws from contemporary examples.

POLS 0319 BUREAUCRATIC POLITICS (3) Includes various theories of organization, but emphasizes the organization's place in the U.S. political system; that is, the partisan political and the interest group politics which shape the public programs at all levels of government.

POLS 0320 POLITICS OF BUDGET-MAKING (3) Deals with federal, state, and local budgets, how they are made, who influences the decisions, and the implications of those decisions.

POLS 0321 ISSUES IN U.S. POLITICS (3) Analysis of conflict and decision-making in specific policy areas. These will change from semester to semester and will include, among others, energy, employment, defense, economic policy, education, and race and ethnicity. Students may therefore enroll for the course more than once. Prerequisite: POLS 0101 or POLS 0103 or equivalent.

POLS 0322 RACE AND ETHNICITY IN U.S. POLITICS (3) Study and evaluation of different points of view on the significance of race and ethnicity for U.S. politics and on the merits of different policies dealing with racial and ethnic political conflict. Prerequisite: POLS 0101 or permission of the instructor.

POLS 0323 SELECTED TOPICS IN POLITICAL SCIENCE (3) A study of basic political and intellectual forces shaping contemporary world politics. Information concerning past events, issues, movements, and personalities are subjected to reinterpretation in the light of recent scholarship. Prerequisite: POLS 0101.

POLS 0324 THIRD WORLD POLITICS (3) Comparative analysis designed for the student interested in general problems of politics and development in the third world; concepts are drawn from several analytical approaches and are applied to case studies of African, Asian, and South American countries. Prerequisite: six credits in social science or equivalent.

POLS 0397 POLITICAL SCIENCE INTERNSHIP (3 or 6) Provides experience in a local, regional or state governmental office. Daily journal and semester paper required.

POLS 0398 WASHINGTON INTERNSHIP (15) A semester in the nation's capitol serving in a public service office at a junior entrance level. One evening course included. Daily journal and semester paper required.

POLS 0399 INDEPENDENT STUDY (3). Permission of instructor.

PSYCHOLOGY

The Psychology major offers a unique blend of the Liberal Arts and professional studies. An attractive feature of the major is its versatility. Students receive a solid foundation in psychological principles along with an experiential understanding of these tenets in a variety of settings. Graduates are prepared for and enter fields in which psychology plays a predominant role, such as human services, as well as areas in which psychology has a major influence, such as teaching, business, and criminal justice. Many of our students enter graduate programs in psychology upon completion of their undergraduate degree.

The doctoral level faculty represents the breadth of the Psychology Department, as does our extensive curriculum. With but two courses required of all majors, each student, with the assistance of a department advisor, may develop a plan of studies that addresses individual interests, talents, and goals. Students may choose from an array of courses which are regularly offered, including a practicum served in a variety of agency, school, or business settings, special topics courses, and independent study opportunities. The department also has laboratory facilities and equipment to support experimental work. The utility of a background in psychology results in many students selecting it as a second major in conjunction with programs like education, or as a minor to complement programs like Criminal Justice or Communication.

REQUIREMENTS FOR PSYCHOLOGY MAJORS: 36 credits

The Psychology majors consists of a minimum of 36 credits. Students must take at least 15 credits within the Westfield State College Psychology Department.

REQUIRED COURSES: (6)

PSYC 0101 Introduction to Psychology: prerequisite to all other psychology courses (3)

PSYC 0105 Research Methods: prerequisite for all "natural science" psychology courses, expected for all other psychology courses. This course should be taken in the semester following Introduction to Psychology (3)

Two courses from each of the groups below: (18)

Natural Science

- PSYC 0306 Learning (3)
- PSYC 0308 Statistics for Psychologists (3)
- PSYC 0312 Physiological Psychology (3)
- PSYC 0313 Comparative Psychology (3)
- PSYC 0341 Cognitive Psychology (3)
- PSYC 0359 Sensation and Perception (3)

Social Science

- PSYC 0201 Theories of Personality (3)
- PSYC 0202 Child Psychology (3)
- PSYC 0203 Adolescent Psychology (3)
- PSYC 0303 Abnormal Psychology (3)
- PSYC 0304 Social Psychology (3)
- PSYC 0336 Psychology of the Family (3)

Applied

- PSYC 0200 Industrial and Organizational Psychology (3)
- PSYC 0206 Educational Psychology (3)
- PSYC 0317 Behavior Modification (3)
- PSYC 0318 Psychology of Interpersonal Relations and Communications (3)
- PSYC 0322 Theories of Counseling (3)

12 additional credits in Psychology courses (12)

REQUIREMENTS FOR A MINOR IN PSYCHOLOGY

A total of 18 credits in psychology department offerings will qualify a student for a minor in psychology.

COURSES

PSYC 0101 INTRODUCTION TO PSYCHOLOGY (3) Overview of the basic theories and facts of human behavior and mental life. Topics include the scientific method, the physiological bases of behavior, sensation and perception, learning and memory, development, personality, social psychology, and abnormal behavior. Psychological knowledge is related to daily problems and everyday life. This course is a prerequisite to all other psychology courses.

PSYC 0105 RESEARCH METHODS IN PSYCHOLOGY (3) (This course should be taken the semester after completion of Introduction to Psychology and is a requirement for all psychology majors). Introduction to the scientific method as used in psychology. Students are given laboratory experience at carrying out simple research. Lectures cover the concepts of a hypothesis, an experiment, control procedures, law, and theory. The course focuses on research methods, experimental techniques, and a mention of the basic statistical concepts as they are used in research. Prerequisite: PSYC 0101

PSYC 0200 INDUSTRIAL AND ORGANIZATIONAL PSYCHOLOGY (3) Concerns the application of psychological principles to the problem of people operating within business or industry. Includes such topics as the nature of organizations, effective leadership styles, communication skills, group dynamics, and the role of leisure time. Prerequisite: PSYC 0101

PSYC 0201 THEORIES OF PERSONALITY (3) The major theories of personality, including those of Freud, Jung, Sullivan, Allport, and Rogers, and the evidence used to support them. Comparisons and contrasts of these theories are made and implications drawn will be discussed and applied to counseling, psychotherapy, and education. Prerequisite: PSYC 0101

PSYC 0202 CHILD PSYCHOLOGY (3) The systematic study of the organismic and psychological changes in the child from birth up to adolescence, and of the importance of maturation, growth, and social learning in effecting these changes. Attention is focused on factors in personality, emotional, and cognitive development. Several lectures cover psychological theories of child development as based on available research data. Prerequisite: PSYC 0101

PSYC 0203 ADOLESCENT PSYCHOLOGY (3) Course concerns are the adolescent period of life. Lectures cover the various aspects of development: physical, intellectual, social, emotional, and sexual. Several lectures involve the interpersonal aspects of the life of adolescents, including family, peer, and school relationships, vocational choice, and the self-concept. Also covered are various psychological theories of adolescent development as based on available research data. Prerequisite: PSYC 0101

PSYC 0204 SELF CONTROL AND STRESS MANAGEMENT (3) The concept of self-control will be examined from various psychological perspectives (e.g. behavioral, psychoanalytic, and humanistic), and a technology of self-control procedures will be introduced which have applications to a wide range of clinical problems. The determinants of stress and its manifestations - physiological, behavioral, and cognitive - will also be examined together with procedures for stress management including relaxation techniques, meditation, biofeedback, and cognitive-behavioral strategies. Prerequisite: PSYC 0101

PSYC 0205 CAREER PLANNING AND DEVELOPMENT (3) Designed to familiarize students with the major theories of career choice, to enable them to learn a self-assessment process in relation to career opportunities, and to develop flexible strategies for achieving and managing a satisfactory career. The course will also include a discussion of various problems associated with different career opportunities such as technological and social change, value conflicts, dual-career couples and adult developmental needs. Prerequisite: PSYC 0101

PSYC 0206 EDUCATIONAL PSYCHOLOGY (3) The study of the psychological concepts in educational practices, including the nature and sources of individual differences and readiness, learning, theories, motivations, emotions, and the evaluation of learning techniques. Prerequisite: PSYC 0101

PSYC 0303 ABNORMAL PSYCHOLOGY (3) The etiology, development, and therapy of mental disorders. Stress will be on the psychodynamics of pathological behavior. Consideration will be given to various forms of unusual behavior ranging from anxiety states to psychosis. Analyses of pathological behavior will be based on current theories of maturation, emotion, and personality. Prerequisite: PSYC 0101

PSYC 0304 SOCIAL PSYCHOLOGY (3) The individual's behavior and cognition in the social setting. Social psychology includes the processes of interaction, enculturation, prejudice, attitudes, and a psychological analysis of social institutions such as church, family and school. Prerequisite: PSYC 0101

PSYC 0306 LEARNING (3) An introduction to the terminology, concepts, and methods in the study of learning. An examination of principles in terms of early and contemporary inquiries and experiments. The focus is on classical and instrumental conditioning, generalization, and discrimination processes. For students who major or concentrate in psychology. Prerequisites: PSYC 0101 and PSYC 0105

PSYC 0308 STATISTICS FOR PSYCHOLOGISTS (3) The application of statistical methods to current research problems in psychology. The selection of procedures appropriate to problems, performance of the procedures, interpretation of outcomes, data tabulation and reduction, measures of central tendency and variability, correlation and prediction, tests of significance, t-test, chi square and analyses of variance. Prerequisite: PSYC 0101 and PSYC 0105

PSYC 0312 PHYSIOLOGICAL PSYCHOLOGY (3) A presentation of the physiological mechanisms of behavior with application to both normal and abnormal human behavior. Includes elementary neuroanatomy and discussion of ethical issues of the discipline. Prerequisites: PSYC 0101 and PSYC 0105

PSYC 0313 COMPARATIVE PSYCHOLOGY (3) A study of the similarities and differences in the behavior of animals, ranging from the unicellular to non-human primates. The course will stress comparative learning, but aspects of such topics as instinctive behavior, psychophysiology, and social behavior will also be discussed. Psychology majors only. Prerequisites: PSYC 0101 and PSYC 0105

PSYC 0314 HISTORY AND SYSTEMS OF PSYCHOLOGY (3) Aim is to familiarize the student with the antecedents of modern psychology, the rise of experimental psychology as a science, the British, German, and American schools of psychology, and contemporary psychological systems. Several lectures cover the philosophical foundations of experimental psychology, and the philosophy of theory construction. Prerequisites: PSYC 0101, PSYC 0201, and PSYC 0306 strongly suggested.

PSYC 0316 PSYCHOLOGY OF HUMAN SEXUALITY (3) An overview of human sexuality from the perspectives of physiological, developmental, social, and clinical psychology. Specific topics include theory and research methodology, sexual arousal and behavior, contraception, sexual orientation, variations in sexual behavior, sexual coercion, and sexual dysfunction and sex therapy. Emphasis is placed on the psychological sequelae of these topics rather than their biological, medical, sociological, or ethical aspects. Prerequisite: PSYC 0101.

PSYC 0317 BEHAVIOR MODIFICATION (3) An overview of the basic techniques derived from operant and respondent conditioning used to bring about behavioral change. Topics include the several categories of reinforcement, schedules, shaping, generalization, stimulus discrimination, and punishment as well as methods of data collection. Prerequisite: PSYC 0101

PSYC 0318 PSYCHOLOGY OF INTERPERSONAL RELATIONS AND COMMUNICATIONS (3) The major focus is on the nature of interpersonal relationships and how communication influences the formation, destruction and improvement of our relationships. We will bring together the thinking of major theorists and research findings in many areas dealing with interpersonal relations and communications. Prerequisite: PSYC 0101.

PSYC 0322 THEORIES OF COUNSELING (3) A presentation of the philosophies, methods, techniques, and research associated with five or six major contemporary counseling theories such as psychoanalytic, client-centered, rational emotive, and gestalt. Prerequisites: PSYC 0101 and PSYC 0201.

PSYC 0323 COUNSELING THEORY AND PRACTICE (3) Designed to help counselors to develop an understanding of the issues involved in helping relationships dealing with persons having educational, vocational, interpersonal and intrapersonal problems. Techniques and abilities to apply basic counseling skills will be stressed. The aim of the course is to develop an advanced understanding of major counseling theories. Elective for juniors and seniors. Prerequisites: PSYC 0101, PSYC 0201, PSYC 0322

PSYC 0332 PEER EDUCATION AND COUNSELING (1.5 credits per semester for 1 or 2 semesters) Aims to familiarize students with information basic to counseling issues so that these students can function as resource individuals and counselors to their peers. Training is given in areas such as physiology of sex, problem pregnancies, depression and suicide, eating disorders, racism, sexism, oppression issues, community resources and counseling techniques. Prerequisite: Membership in SECS.

PSYC 0333 PRACTICUM IN PSYCHOLOGY (6) Students seek placement in agencies which provide various psychological services to the community. The primary goal of the placement is to provide an opportunity for the student to become involved in a meaningful manner with the services provided by the agency. It is hoped that the student can make a contribution to the service. The student is responsible, under the joint direction of an agency representative and a Department of Psychology supervisor, for the formulation of a detailed outline of activities, time commitment, and responsibilities. The student will also prepare a term paper and a final evaluation related to the activities in which he/she is involved. The agency is expected to provide general supervision and make a final evaluation of the student's performance. The Department representative will make periodic evaluations of the student's performance and will cooperate fully with the agency supervisor. Interested students should contact the Chair of the department. Prerequisites: PSYC 0101, PSYC 0201, PSYC 0322, PSYC 0323.

PSYC 0335 SENIOR SEMINAR (3) A limited enrollment course designed according to current student and faculty interests and focuses on advanced study of current research and theory in a particular area of psychology. Prerequisite: PSYC 0101 and senior status.

PSYC 0336 PSYCHOLOGY OF THE FAMILY (3) A presentation of theories of how family interaction and patterns of response influence personality and behavior. An exploration of the characteristics of "healthy" and "unhealthy" families and the types of individuals they produce. A review of family therapy techniques as a means of treating the "identified patient." Limited to juniors and seniors. Prerequisite: PSYC 0101

PSYC 0341 COGNITIVE PSYCHOLOGY (3) The psychology of sensation, perception, psycholinguistics, cognition and information processing. Topics include memory, attention, pattern recognition, thinking, problem solving, language, and artificial intelligence. Lectures stress in-depth reviews of the experimental evidence which bears on theories of cognition and language. Prerequisites: PSYC 0101 and PSYC 0105.

PSYC 0352 WOMEN AND MENTAL HEALTH (3) This course will examine issues related to women's mental health. Topics will include theories of female personality development, socialization, life cycle events, sexuality, psychopathology more frequently associated with women (e.g. depression, eating disorders, phobias), specific treatment needs of women, the impact of violence against women, and international issues concerning women.

PSYC 0353-356 SPECIAL TOPICS IN PSYCHOLOGY (3) each offering; students may receive no more than 6 credits for this course number. Offered on an irregular basis. This offering is an in-depth study of a limited and/or specialized area within one field of psychology. The exact title will vary according to the specialization of the instructor and the interest of the students. Prerequisites: PSYC 0101 and at least 9 additional credits in psychology for majors; PSYC 0101 and permission of instructor for non-majors.

PSYC 0357 ADULT DEVELOPMENT AND AGING (3) A study of human development through the early, middle, and later adult years. The course will focus on the maturational and environmental determinants of changes in sensation and perception, learning and memory, intelligence, cognition, and personality. Prerequisite: PSYC 0101

PSYC 0359 SENSATION AND PERCEPTION (3) Introduction to the laboratory study of perceptual phenomena. Students use different instrumentation such as the tachistoscope and dichotic listening equipment and apply various methodologies in a series of experiments during the first part of the course, comparing several theoretical approaches. The second part of the course is given to laboratory demonstrations and the development of an individual project. Prerequisites: PSYC 0101, PSYC 0105, and permission of instructor

PSYC 0360 LEARNING LABORATORY (3) Provides students with laboratory experience in animal learning. Initially all students will train animals using basic procedures in behavioral control including shaping, response acquisition and simple discrimination. Student will then pursue individual projects examining response chaining, performance on simple or complex schedules of reinforcement, choice behavior, and other areas of learning. Prerequisites: PSYC 0101, PSYC 0105, and PSYC 0306 and permission of instructor

PSYC 0361 PSYCHOLOGY OF RACISM (3) Provides students with an understanding of the psychological causes and emotional reality of racism as it affects everyday life. Through the use of lectures, readings, simulation exercises, group research projects, and extensive class discussion, the student explores the psychological impact of racism on both the oppressor and the oppressed. Prerequisite: PSYC 0101

PSYC 0362 ALCOHOLISM: CAUSES AND TREATMENT (3) The objectives of this course are to explain and interpret the dynamics, research and most effective treatment modalities for alcoholism. Included are the physiological causes of alcoholism, common psychological denominators, defenses, the progression and the recovery-relapse of the alcoholic. The alcoholic family as a unit to be treated is considered also. Prerequisites: PSYC 0101 or permission of instructor

PSYC 0363 CROSS CULTURAL PSYCHOLOGY (3) This course will focus on understanding different cultural values, norms and beliefs - an ingredient for effective communication among people of differing cultures. Topics to be covered are the differences in cognitive processes that lead to misunderstanding and conflicts between members of different groups, e.g. differences in perception, thinking, verbal and non-verbal behavior. The goal of the course is for students to understand and become more comfortable with the ideas and behavior of others whose culture is different from their own. Prerequisite: PSYC 0101.

PSYC 0381 EXPERIMENTAL SOCIAL PSYCHOLOGY (3) Provides skills in field and laboratory research methodology. A few topics in social psychology, such as interpersonal attraction, attitude change, social cognition and impression management are discussed in detail. Following an in-depth analysis of a specific topic, students conduct either field or laboratory experiments. Students are closely supervised and are responsible for conducting and scheduling experiments; collecting, coding and analyzing data; and submitting a final written report in APA format for each experiment. Prerequisites: PSYC 0101, PSYC 0105, PSYC 0304, or the permission of the instructor

PSYC 0399 INDEPENDENT STUDY - PSYCHOLOGY (1-6) Credit for independent study is granted for special academic work done under the supervision of a faculty member of the Psychology Department. This work may involve library research and subsequent preparation of a scholarly paper; design and completion of an experimental project or field study; advanced study and application of concepts in a particular area of psychology beyond that covered in typical course work. At the end of the project, a final written report should be submitted to the faculty supervisor, with a copy to the departmental advisor and a copy to the chairman of the department. Prerequisites: PSYC 0101; approval by student's advisor, department chairman and Academic Dean.

SOCIOLOGY AND SOCIAL SCIENCE

Students majoring in Social Science select one of the following concentrations: General Social Science or Social Work. The Department of Sociology and Social Science also offers minors in Social Work and Sociology.

The General Social Science Concentration offers students a broad interdisciplinary program in the social sciences, including Economics, Geography, History, Political Science, Psychology, and Sociology. Completion of this concentration gives students a strong background in the social sciences and the flexibility to adapt to a variety of employment possibilities. The Senior Thesis/Internship, which culminates work in this concentration, gives majors the opportunity to gain hands-on experience in a variety of governmental, business, and service settings.

The Social Work Concentration prepares students for entry-level positions in the social services (professional development in social work generally requires the completion of a graduate program in social work). In addition to taking the required course work in Social Work and Sociology, majors must complete a six credit practicum in a social work setting. Students are also encouraged to accumulate elective credits in other related fields, such as Psychology, Education, and Criminal Justice.

REQUIREMENTS FOR SOCIAL SCIENCE MAJORS

FOUNDATION COURSES

For majors concentrating in Social Science, one foundation course (i.e., a 0100-level course, usually) should be taken in each of the following fields: Sociology, Psychology, Geography, Economics, and Political Science. Majors concentrating in Social Work must take Principles of Sociology and a foundation course in one other social science discipline.

CONCENTRATIONS

General Social Science Concentration: 45 credits

- Foundation courses described above (15)
- 9 credits of post-introductory work (level-0200 course or higher) should be selected in one of the following fields:
  - History
  - Sociology
  - Psychology
  - Geography
  - Economics
  - Political Science (9)
- 6 credits of post-introductory work (level-0200 course or higher) in each of two additional fields from those listed above (12)
- 6 additional credits are required in one of the three fields selected above (6)
- SOCI 0300 Senior Thesis/Internship (3)

Social Work Concentration : 36 Credits

- Foundation courses described above (6)
- SOCI 0104 Introduction to Social Work (3)
- SOCI 0105 Introduction to Social Welfare (3)
- SOCI 0322 Interventive Methods in Social Work (3)
- SOCI 0324 Human Services: Planning and Organization (3)
- SOCI 0351 Social Work Practicum (6)
- 12 credits in post-introductory Sociology courses (12)

[Note: Social Work courses must be taken in an appropriate sequence: Introduction to Social Work and Introduction to Social Welfare are both required before taking either Interventive Methods or Human Services Planning and Organization. All four of these courses must be completed before the Social Work Practicum.]

MINOR REQUIREMENTS IN SOCIOLOGY AND SOCIAL WORK

The department offers two minors and provides a variety of service courses to augment other academic disciplines. The department also provides for practical experience through placement in community agencies. The requirements for a minor are as follows:

1. Minor in Sociology: 18 hours total
   - SOCI 0101 Principles of Sociology (3)
   - Two Sociology courses (either 0200 or 0300 level) (6)
   - Three Sociology courses (at 0300 level) (9)

2. Minor in Social Work: 18 hours total
   - SOCI 0104 Introduction to Social Work (3)
   - SOCI 0105 Introduction to Social Welfare (3)
   - SOCI 0322 Interventive Methods in Social Work (3)
   - SOCI 0324 Human Services: Planning and Organization (3)
   - SOCI 0351 Social Work Practicum (6)

COURSES

SOCI 0101 PRINCIPLES OF SOCIOLOGY (3) An overall study of the concepts and principles of group behavior analysis of the components of culture and the structure of society; social organization and differentiation.

SOCI 0104 INTRODUCTION TO SOCIAL WORK (3) Preprofessional course designed to provide view of historical background, basic principles and concepts, current trends, and careers in Social Work.

SOCI 0105 INTRODUCTION TO SOCIAL WELFARE (3) A study of Social Welfare as an institution; the development of the Social Welfare profession through the ages, comparative institutional analysis, normative and organizational structure.

SOCI 0200 CULTURAL ANTHROPOLOGY (3) An overview of cultural anthropology as a discipline and to the concepts and techniques essential for understanding different cultures, both contemporary and past. Includes analysis of universal aspects of human experience, including the family, economic, political, religious, artistic, and linguistic systems, examined in cross-cultural perspective. A brief examination of hunters and gatherers, tribal and peasant peoples, among others and an introduction to the dynamics of cultural contact, cultural evolution, and change.

SOCI 0201 THE FAMILY (3) The family as a social institution, affected by and affecting other institutions. Some material of the family in non-industrial societies will be included, but the main focus will be on persisting patterns and on changes in pre-marital, marital, and family relationships in the United States.

SOCI 0202 RACE AND ETHNIC RELATIONS (3) A study of the phenomena which arise when different biological and cultural groups interact, and of theories and methods calculated to reduce antipathy and discrimination against minority groups, with an emphasis on American relations.

SOCI 0204 INTRODUCTION TO RESEARCH METHODS IN SOCIOLOGY (3) The development of social research; the nature of sociological inquiry; basic methods and techniques; examination of representative sociological studies from the standpoint of methodology. Prerequisite: SOCI 0101.

SOCI 0300 SENIOR THESIS/INTERNSHIP (3-6) The course provides an opportunity for independent study which may take a theoretical direction (the non-agency research or the thesis option) or may involve observer participation in relevant community agencies and organizations.

SOCI 0302 SOCIAL WELFARE AND SOCIAL CHANGE (3) The development of welfare and planning in association with the industrialization process. Agencies and occupations dealing especially with the elderly and youthful poor. Modern policies and proposals for change in selected problem areas. Prerequisite: SOCI 0101.

SOCI 0303 SOCIOLOGY OF LEISURE AND RECREATION (3) The study of the social institutional structure and functional systems of society related to leisure behavior. The social significance of leisure and the human values in leisure-time pursuits. Examination of practices and uses of leisure in the United States. Prerequisite: SOCI 0101.

SOCI 0304 SOCIAL CHANGE (3) Major theories of social change with respect to the origin of innovations and the reasons for their acceptance or rejection. An analysis of such sources of change as conflict, technology, and social planning in modern and developing societies. Prerequisites: SOCI 0101.

SOCI 0305 URBAN SOCIOLOGY (3) Growth, structure and functions of the city. The urban place as an ecological, stratified, attitudinal and decision-making unit. Urban problems and social relations. Prerequisite: SOCI 0101.

SOCI 0307 SOCIAL PROBLEMS (3) A study of contemporary American society in light of selected problem areas. An analysis of contributing factors, conflicting views and values, current situation of prospects for resolution involving application of sociological concepts, theories, and methods. Prerequisite SOCI 0101.

SOCI 0308 SOCIAL STRATIFICATION (3) A systematic treatment of the ranking systems in various social structures in America. Theories of social stratification and mobility, analysis of social class studies in the United States, the interplay of power, status, and control. Prerequisite: SOCI 0101.

SOCI 0309 SOCIOLOGY OF RELIGION (3) The scientific study of religion dating from mid-19th century animists and naturalists. Religion as a basic social institution with both integrative and diverse tendencies. Organizational patterns; interrelationships with other institutions. Theoretical developments within the field. Changing emphases in the function of religion as a major source of meaning and values in human societies. Prerequisite: SOCI 0101.

SOCI 0310 JUVENILE DELINQUENCY AND CRIMINOLOGY (3) Meaning, identification, and causes of delinquent and criminal behavior. The role of social institutions in corrections, control, and prevention of youthful and adult offenses. Prerequisite: SOCI 0101.

SOCI 0311 COMPLEX ORGANIZATIONS (3) Examination of major theories and studies of complex organizations. Emphasis is on recent findings regarding the influence of organizations on the behavior of members, bureaucratic "pathology", succession and displacement of goals, organizational types, characteristics, and problems of bureaucracies in a variety of settings: occupational, military, medical, religious, correctional, political; organization change in the light of contemporary theory and research noting the functioning of complex organizations in preindustrial and industrial societies. Prerequisite: SOCI 0101.

SOCI 0312 POPULATION STUDIES IN SOCIOLOGY (3) Introduction to population studies, provided within a sociological framework, and an analysis of historical, contemporary, and anticipated population conditions and trends, as these are related to social situations and the organization of society. Prerequisite: SOCI 0101.

SOCI 0314 COLLECTIVE BEHAVIOR (3) Study of such phenomena as crowds and mobs, panics and riots, fads and fashions, rumor and propaganda, the formation of publics, and public opinions. Examines the transition from unorganized to organized group behavior, from behavior based largely on emotional contagion to behavior on a shared symbolic framework. Prerequisite: SOCI 0101.

SOCI 0315 CHANGING SEX ROLES IN AMERICA (3) A study of existing sex roles in contemporary American society; examination of the determinants of such sex roles; comparison with existing sex roles in other societies; investigation of the relationship between biological priorities and sex role expectations; analysis of how sexual ascription at birth influences life experiences and chances of men and women; analysis of the relationship between sex role and social stratification; and analysis of the causes and consequences of change in culturally patterned sex roles. Prerequisite: SOCI 0101.

SOCI 0316 SMALL GROUPS (3) A systematic study of the influential theoretical and empirical writings and studies, classical and current, dealing with the structure and functioning of small groups; the influence of small groups research on theoretical perspectives in macro-sociology. Prerequisite: SOCI 0101.

SOCI 0317 SOCIOLOGY OF DEVIANT BEHAVIOR (3) This is an upper-level course which will examine various social behaviors that are considered as "deviant". Beginning with definitions of deviance, the course will progress to an examination of the extent of deviant behaviors, theories of the causes of deviant behavior, and the role of social control. There will be a rather broad range of specific behaviors considered, with an overall aim to provide students with a distinctly sociological frame of reference through which a fuller understanding of such behaviors may be gained. Policy implications will also be discussed. Prerequisite: SOCI 0101.

SOCI 0318 SOCIOLOGY OF MEDICAL CARE (3) Examination of existing theory and research on medical care of a social institution. Study of the relation of social factors to illness, both physical and mental, and its distribution. Attitudes and beliefs regarding illness and the response to illness in various societies. Sociological analysis of hospitals as social organizations, of the medical profession, and of medical education. Comparison of medicine as it is practiced in the United States and in other countries. Prerequisite: SOCI 0101.

SOCI 0320 SOCIOLOGY OF EDUCATION (3) American schools as social organizations, as community associations, and as socialization agents. The functions of the school, and the relation of the institution of education to culture and social structure. Problems of change. Prerequisite SOCI 0101.

SOCI 0321 SOCIAL GERONTOLOGY (3) Aging as a biological, psychological, and sociological process with numerous economic and political implications. Emphasis will be placed on the role of both the family and the community. The crises of retirement, illness, and dying will also be treated. Prerequisite: SOCI 0101.

SOCI 0322 INTERVENTIVE METHODS IN SOCIAL WORK (3) A study of the relationship of social change and social problems; the role of the individual, group, community in social change and in offering social services to individuals and groups; and the professional skills and techniques necessary to the offering of these social services. Prerequisites: SOCI 0104 and SOCI 0105.

SOCI 0323 INDUSTRIAL SOCIOLOGY (3) A macro and micro-sociological examination of structure and functioning of industrial societies and their institutional and organizational components; major theoretical approaches assessing industrial systems. Production and distribution values, institutions; organizations, and roles of industrial societies along with norms affecting industrial social experience will be emphasized. Prerequisite: SOCI 0101.

SOCI 0324 HUMAN SERVICES: PLANNING AND ORGANIZATION (3) An analytical examination of the essential components and planning of human service: targets and agents. Assessment of innovations and their economic, social, and psychological costs and benefits. Prerequisites: SOCI 0104 and SOCI 0105.

SOCI 0330 SOCIOLOGY OF LAW (3) The sociological study of law; analysis of the legal system; relationship between the legal order and other institutional realms of society; the effectiveness of law as a mechanism of social control, and the place of law in broader patterns of social change. Prerequisite: SOCI 0101.

SOCI 0331-0334 SPECIAL TOPICS IN SOCIOLOGY (3) An in-depth treatment of a limited and/or specialized area within sociology. Prerequisites: permission of instructor.

SOCI 0335 SOCIOLOGICAL THEORY (3) In this course students are introduced in some depth to the various sociological theoretical perspectives as well as their "founders". These perspectives have been used by social analysts and sociologists since the 19th century to the present in their analysis and understanding of society and human behavior. More specifically, students focus on the ideas and themes about society and eminent social analysts like Auguste Comte, Herbert Spencer, Karl Marx, George Simmell, Talcott Parsons and others. Of importance is for the students to begin gaining and understanding of how the idea of these social analysts are of relevance to 20th century modern society as well as their own experiences. Prerequisites: SOCI 0101 and permission of the instructor

SOCI 0351 SOCIAL WORK PRACTICUM (6) The course involves participant observation in social welfare agencies. Prerequisite: SOCI 0322.

SOCI 0399 INDEPENDENT STUDY (1-6) Permission of instructor.

WOMEN'S STUDIES MINOR

The Women's Studies Minor is an interdisciplinary program designed to provide students with the theoretical bases for understanding the role of women, both historically and currently, in shaping society's values, beliefs, laws, culture, arts, politics, and institutions. It follows an integrative model that provides a coherent structure for using existing courses in the college curriculum in conjunction with Women's Studies offerings.

Eighteen (18) credits constitute the minor:

WSTP 0101	Introduction to Women's Studies	(3)
WSTP 0301	Seminar in Women's Studies	(3)

The remaining 12 credits needed for the minor may be selected from among approved electives, such as:

BIOL 028x	Seminar in Human Reproduction	(1)
CRJU 0312	Women and the Law	(3)
EDUC 0300	ST: Women in Education	(3)
ENGL 0326	Literature By and About Women	(3)
ENGL 0388	STW: Women Writers	(3)
LCUL 0200	Latin-American Lit in Translation: Latina Writers	(3)
MCOM 0311	Stereotyping in the Mass Media	(3)
MCOM 0316	Women in Film	(3)
MUSC 0106	Women's Role in Music: A History	(3)
PHIL 0333	Seminar in Interdisciplinary Studies: "Women as Philosophers and Theorists"	(3)
POLS 0323	Selected Topics in Political Science: "Women and Politics"	(3)
PSYC 0352	Women and Mental Health	(3)
PSYC 035x	ST: Psychology of Women	(3)
SOCI 0315	Changing Sex Roles in America	(3)
WSTP 0201	Women in Modern Organizations	(3)
WSTP 0205	Special Topics in Women's Studies	(3)

Other courses may be designated as Women's Studies electives when appropriate. Students interested in the minor can obtain further information and apply for admission to the program by contacting the Coordinator of Women's Studies. Advising is provided by the coordinator and faculty involved with the minor.

COURSES

WSTP 0101 INTRODUCTION TO WOMEN'S STUDIES (3) Introduces and develops the idea of Women's Studies as an approach to intellectual inquiry. Addresses a variety of Women's Studies issues in an interdisciplinary format, generally focusing on women's lives and experiences as illuminated by the social sciences and humanities.

WSTP 0201 WOMEN IN MODERN ORGANIZATIONS (3) Uses an interdisciplinary approach to enhance the understanding of social, ethical, and occupational problems which women face in their work roles within modern organizations. Focuses on strategies for problem-solving within a social and ethical framework with the goal of professional achievement and personal satisfaction within the particular organization. Prerequisites: WSTP 0101 or equivalent.

WSTP 0205 ST: WOMEN'S STUDIES (3) An in-depth treatment of a limited and/or specialized area within Women's Studies.

WSTP 0301 SEMINAR IN WOMEN'S STUDIES (3) Designed to integrate conceptually and methodologically the major issues addressed by Women's Studies. Each student will complete and present a major research project which demonstrates an understanding of the interdisciplinary nature of women's issues. Prerequisites: WSTP 0101, advanced work in Women's Studies or permission of instructor.

WSTP 0399 INDEPENDENT STUDY (3) Individual research and independent study related to a particular aspect of Women's Studies that is of special interest. Permission of instructor.

WESTFIELD STATE COLLEGE BOARD OF TRUSTEES

Deanna L. Clark, B.S.S
Joseph DeLeo, L.L.D.
Donald A. Carignan, M.S.
Maureen Gallo, B.A. (Chairperson)
Judge Eileen Griffin, L.L.D.
Barbara James, B.A.
Cornelius Mahoney, M.B.A.
Nicole Sisson (Student Trustee)
Donna Vella

ADMINISTRATION

(The date in parentheses following the name indicates the beginning of service at Westfield State College)

WILLIAM H. LOPES (1988) President (Acting), B.A., Providence College; M.A., Ph.D., University of Connecticut

ROBERT A. MARTIN (1980) Senior Vice President, Academic Affairs (Acting) B.A., Wesleyan University; M.A., Ph.D., University of Rochester

PETER D. MAZZA (1971) Vice President, Student Affairs B.A., American International College; M.Ed., Springfield College; J.D., Western New England College, School of Law

PAUL J. MEI (1970) Treasurer and Budget Director B.B.A., Western New England College

CATHERINE E. LILLY (1975) Dean, Graduate and Continuing Education B.A., M.A., Ph.D., University of Michigan

CAROL PERSSON (1988) Dean, Undergraduate Studies (Acting) B.S., Slippery Rock University; M.A., Montclair State College; D.P.E., Springfield College

JAMES A. STAKENAS (1987) Executive Assistant to the President B.M.E., M.M., Central Michigan University; Ph.D., University of Nebraska

ADRENE ADAMS (1970) Associate Director, Campus Center B.A., University of Massachusetts; M.Ed., Westfield State College

SUZANNA CHOI ADAMS (1995) Staff Assistant, Counselor B.A., Oral Roberts University; M.A., Wheaton College

KAMAL H. ALI (1981) Assistant Dean, Multicultural Development, M.Ed., Ed.D. University of Massachusetts

TODD A. AUDYATIS (1995) Staff Assistant, Admission Counselor B.A., Westfield State College

NANCY J. BALS (1996) Assistant Director Athletics/ Coordinator Women's Programs B.S., Eastern New Mexico University; M.S., Springfield College

SUSAN J. BASQUE (1988) Associate Director, Student Affairs Coordinator B.A., North Adams State College; M.Ed., Central Connecticut State Unversity

PATRICIA BERUBE (1992) Staff Assistant, Nurse RN, Hartford Hospital School of Nursing

PAUL BIGELOW (1992) Staff Assistant, Coordinator of Residential Life Maintenance Operations B.S., Michigan State University

KATHERYN L. BRADFORD (1981) Associate Director, Residential Life B.A., M.S., State University of New York at Albany

DEBORAH J. BRODIE (1985) Staff Assistant, Bursar B.S., Westfield State College

BRIAN CAHILLANE (1993) Staff Assistant, Substance Abuse Counselor B.A., St. John's Seminary College; M.S. Springfield College

DIANA A. CALLAHAN (1985) Staff Assistant, Nurse

CHARLES CANGEMI (1996) Staff Assistant, Public Relations Writer B.A., University of Massachusetts

TONY CASCIANO (1996) Staff Assistant, Police Lieutenant B.S., East Stroudsburg University

JO ANN CHURCHILL (1985) Staff Assistant, Coordinator of Conference Services B.A., University of Massachusetts

SANDRA CIGNONI (1977) Staff Assistant, Academic Affairs

MARGARET CIVELLO (1987) Staff Associate, Executive Secretary President's Office Associate, Northampton Junior College; B.S., Westfield State College

ROBERT E. CLARK (1994) Staff Associate, Coordinator of Staff Training and Development B.S., University of Vermont; M.S. Miami University

JON CONLOGUE (1993) Director, Residential Life B. S. University of Bridgeport; M.A. Fairfield University

SANDIE CORKER (1974) Staff Assistant, Human Resource Office A.A., Quincy Junior College

ROBERT S. CULKEEN (1983) Staff Associate, Video Services Coordinator B.S., Fitchburg State College

MICHAEL CURTIS (1992) Assistant Director, Athletics B.A., Indiana University of Pennsylvania

STEPHEN M. DAILEY (1995) Staff Assistant, Residence Director B.A., Westfield State College

EDWARD DEMARCO (1995) Staff Assistant, Police Sergeant

LISA ANN DISCEPOLO (1996) Staff Assistant, Business Office B.S., University of Connecticut

LINDA A. DUVAL (1985) Staff Assistant, Nurse

RICHARD EMMINGS (1984) Staff Assistant, MIS Network Manager B.A., Westfield State College

MAUREEN F. FITZGERALD (1985) Associate Director Development B.A., Westfield State College; M.B.A., American International College

DANIEL FORSTER (1991) Staff Associate, Student Affairs FIPSE Project Coordinator B.A., Saint Joseph's College

JOAN E. FULLER (1986) Director, Minority Affairs B.A., Westfield State College; M.Ed., C.A.S., Springfield College

HAL GIBSON (1993) Director, Library B.A., Linfield College; M.L.S., University of Portland; M.L.S., University of California

GWENDOLYN GODFREY (1986) Staff Assistant, Coordinator of Alumni Affairs B.A., Westfield State College

LORRAINE GOYETTE (1995) Assistant Director, Professional Development for Educators B.S., M.Ed., Boston University; Ed.D. University of Massachusetts

KENNETH R. HAAR (1982) Associate Director, Academic Computing B.A., Southampton College; M.S., State University of New York at Albany

PRISCILLA HASKINS (1983) Staff Assistant/Coordinator Teacher Preparation, Graduate Studies and Continuing Education B.S., Westfield State College

RUDOLPH E. HEBERT (1982) Staff Associate, Systems Analy B.S., M.E., Westfield State College

DARYL W. HENDERY (1980) Executive Director, Stude Affairs B.A., M.S., State University of New York at Albany

DEBORAH HIGGINS (1993) Staff Associate, Residence Direct B.A. University of Southern Maine; M.S. University of Vermo

AZANDA HOWARD (1994) Staff Assistant, Counselor B.A Westfield State College

MURIEL E.F. JANNERY (1983) Staff Assistant, Coordinator Credit-Free Programs, Graduate Studies and Continuing Educatic Associate, Becker Junior College

ANDREW D. JOHNSON (1979) Associate Director, Campu Center B.A., Westfield State College

JEANNE M. JULIAN (1982) Staff Associate, Public Affairs B.A. Allegheny College; M.F.A., University of Massachusetts

KEITH KNOWLTON (1993) Staff Assistant, User Consultan B.S., Westfield State College

SUSAN KRIEG (1996) Staff Assistant, Counselor Disabled Studen Services B.A., University of Bridgeport; M.A., Westfield State College

LORI LETENDRE (1979) Associate Director, Admissions B.A., M.A. Westfield State College

JOANA LOPEZ (1994) Staff Assistant, Counselor B.S. Westfield State College

KENNETH MAGARIAN (1977) Director, Athletics A.A., Northern Essex Community College; B.S.Ed., Westfield State College; M.S., Springfield College

ROBERT C. MAILLOUX (1972) Director, Media and Technical Services B.S.E., M.Ed., Westfield State College

BARRY MALONEY (1991) Staff Assistants, Career Services B.S., M.P.A. University of Maine

LAURA MALONEY (1994) Staff Assistant, Admission Counselor B.S., Westfield State College

WILLIAM MARTINO (1994) Staff Assistant, Residence Director B.A., Hofstra University; M.A., University of Bridgeport

MICHELLE MATTIE (1995) Director, Admission/Financial Aid B.A., M.Ed. University of Massachusetts

MAUREEN McCARTNEY (1983) Director, Career Services B.A., College of Our Lady of the Elms; M.Ed., Springfield College; M.S.W., University of Connecticut

PAMELA MITCHELL-CRUMP (1992) Director, Equal Employment/Special Programs Coordinator B.S., Western Connecticut State University; M.P.A. University of Hartford

ELIZABETH MOKRZECKI (1995) Director, Purchasing B.A., University of Massachusetts; M.B.A., Western New England College

JOHN C. MORYTKO (1982) Staff Associate, Photographic Services Coordinator B.S., American International College; M.Ed., Westfield State College

BARRY M. MURPHY (1966) Director, Management Information Systems A.S., Springfield Technical Community College; B.S.E., Westfield State College

TIMOTHY C. MURPHY (1972) Director, Human Resources B.A., Amherst College; M.P.A., University of Massachusetts

THOMAS MYERS (1995) Staff Assistant, Residence Director B.A., Le Moyne College

LAWRENCE NAFTULIN (1996) Director, Development B.A., M.A., University of Pennsylvania

CLAUDIA O'BRIEN (1987) Staff Assistant, Publications Coordinator B.S., Northeastern University

CARLTON PICKRON (1986) Assistant Dean Academic Affairs and Director, Academic Advising B.S., M.Ed., C.A.S., Springfield College; Ed. D., University of Massachusetts

RICHARD N. PIERCE (1977) Staff Assistant, Athletic Trainer B.S., American University

SUSAN D. QUANDT (1989) Director, Graduate and Continuing Education B.A., University of Massachusetts; M.Ed., Westfield State College

PATRICIA A. RIX (1962) Director, Health Services Diploma, Mercy Hospital School of Nursing

CURT D. ROBIE (1970) Executive Director, Facilities and Operations B.A., Westfield State College; M.Ed., Westfield State College; Ed.D., University of Massachusetts

CATHERINE RYAN (1986) Associate Director, Financial Aid B.A., Our Lady of the Elms College

NANCI SALVIDIO (1986) Associate Director, Academic Advising B.A., M.A., Westfield State College

SUSAN SALZMAN (1987) Director, Student Records and Registrar B.A., Brandeis University; B.S., Westfield State College

PATRICK SAUNDERS (1989) Staff Associate, Power Plant Engineer

PAUL SCANNELL (1994) Director, Public Safety B.A., American International College; M.Ed., University of Hartford; M.S., University of New Haven

JACQUELINE SHEEHAN (1995) Director, Counseling Center B.A., Western Connecticut State University; M.A., Ph.D., New Mexico State University

JOSEPH E. SHINN (1986) Director, Disabled Student Services B.A., M.A., University of Miami

CYNTHIA SIEGLER (1992) Staff Associate, Graduate and Continuing Education B.S., University of Maryland

THOMAS E. STEWART (1989) Staff Assistant, Student Affairs B.S., M.Ed., Westfield State College

JOANNE STOWELL (1994) Staff Assistant, Residence Director B.S., Simmons College

JAMES H. SULLIVAN (1985) Staff Assistant, Coordinator of Buildings and Grounds

MELINDA SULLIVAN (1987) Staff Assistant, Administrative Services

AMY SZLACHETKA (1994) Staff Associate, Fitness Center Manager B.S., Springfield College; M.A., San Diego State University

WILLIAM THOMPSON (1993) Staff Associate, Academic Coordinator Multicultural Development M.Ed., Ed.D., University of Massachusetts Amherst

DEBRA TYNES (1994) Staff Assistant, Program Counselor Multicultural Development B.A., University of Massachusetts

A. MORGAN WHEELOCK (1976) Associate Director, Administrative Computing B.A., Westfield State College

NICK WOJTOWICZ (1990) Assistant Treasurer B.S., Western New England College

FACULTY

(The date in parentheses following the name indicates the beginning of service at Westfield State College)

EDWIN J. ABAR (1971) Professor, Communication B.A., M.Ed., Westfield State College; Ph.D., University of Massachusetts

STEPHEN ADAMS (1995) Assistant Porfessor, English B.A., Southwest Missouri State University; M.A., Ph.D., University of Missouri at Columbia

LINDA ALBRIGHT (1988) Associate Professor, Psychology B.A., University of Lowell; M.A., Ph.D., University of Connecticut

MICHAEL S. ANCIELLO (1982) Professor, History A.M., Certificate Russian and East European Studies, Boston College; Ph.D., Saint Louis University

BRADFORD ART (1986) Professor, Philosophy B.A., Miami University; Ph.D., Brown University

VICTOR H. ASCOLILLO (1974) Associate Professor, Criminal Justice B.A., University of Massachusetts; M.A., Ph.D., University of South Carolina; J.D., Western New England College

KATE BAGLEY (1980) Professor, Sociology and Social Science B.A., Barnard College; M.S.W., Fordham University; Ph.D., University of California at Berkeley; J.D., University of Connecticut

MAUREEN A. BARDWELL (1984) Associate Professor, Mathematics B.S., American International College; M.A., Ph.D., Bowling Green State University

DONALD J. BASTARACHE (1967) Professor, Music B.Mus.Ed., Boston University; M.Mus., Boston Conservatory of Music; Ed.D., University of Massachusetts

RUSSELL P. BELLICO (1970) Professor, Economics and Management B.A., M.A., University of Connecticut; Ed.D., University of Massachusetts

WILLIAM D. BENNETT (1979) Professor, Geography and Regional Planning B.A., Ohio Wesleyan University; M.A., Bowling Green State University; Ph.D., Michigan State University

GILBERT W. BILLINGS (1966) Professor, Physical Science B.S.E., Castleton State College; M.B.S., University of Colorado; Ph.D., University of Connecticut

ANTHONY J. BONACQUISTI (1969) Associate Professor, Geography and Regional Planning B.S.E., North Adams State College; M.S., Pennsylvania State University

GLEN BREWSTER (1996) Assistant Professor, English B.A M.A., University of Tennessee; Ph.D., Duke University

ROBERT S. BRISTOW (1989) Associate Professor, Geograph and Regional Planning A.A., Harford Community College; B.S. M.A., Towson State University; Ph.D., Southern Illinoi University

VLADIMIR BRODSKY (1978) Associate Professor, Art M.A. Ph.D., Moscow University, Russia

ROBERT T. BROWN (1967) Professor, History B.S.E., Stat University of New York at Geneseo; Ph.D., Syracuse Universit

MARILYN SANDIDGE (1988) Professor, English B.A. Longwood College; M.A., Virginia State University; Ph.D. Pennsylvania State University

MADELEINE CAHILL (1995) Assistant Professor Communication B.A., Mount Holyoke; M.A., Ph.D., University of Massachusetts at Amherst

GEORGE C. CAMARA (1964) Professor, English B.S., Southern Connecticut State College; M.A., Northeastern University; Ph.D., University of Massachusetts

JAMES R. CARABETTA (1984) Associate Professor, Computer and Information Science B.S., M.Ed., Springfield College; C.A.G.S., Springfield College; Ph.D., University of Massachusetts

R. BRUCE CARROLL (1986) Professor, Criminal Justice B.A., University of Vermont; M.P.A., Wayne State University; Ph.D., University of Chicago

GUS CHRISANTHOPOULOS (1966) Associate Professor, Biology B.A., American International College; M.Ed., Westfield State College

CLAUDIA CIANO-BOYCE (1989) Associate Professor, Psychology B.A., Northeastern University; M.S., Southern Illinois University; Ed.D., University of Massachusetts

ALVIN I. COHEN (1965) Professor, Psychology B.A., Northeastern University; M.A., Ph.D., Southern Illinois University

PORTER D.H. COLE (1957) Professor, English A.B., Harvard University; D.Phil., Oxford University

PATRICIA C. CONANT (1969) Professor, Art B.F.A., Massachusetts College of Art; M.F.A., Tufts University

WANDA D. COOK (1974) Professor, Education B.S., State University of New York at Geneseo; M.S., Ed.D., Florida State University

WILLIAM J. COOK (1991) Associate Professor, Criminal Justice B.A., Holy Cross; M. Phil., Ph.D., City University of New York

ROBERT W. CORMIER (1982) Associate Professor, Computer and Information Science B.A., University of Massachusetts; M.B.A., American International College

JUSTIN R. CURRY (1968) Associate Professor, Art B.F.A., Tufts University; M.F.A., Tulane University

CORNELIA M. DANIEL (1990) Assistant Professor, Economics and Management B.S. University of Florida; M.S.B.A., Ph.D., University of Massachusetts

RUTH DARLING (1996) Assistant Professor, Biology B.S., Cornell University, M.S., University of California at San Diego, Ph.D., Darthmouth College

JOHN J. DARROW (1971) Professor, Economics and Management B.A., M.A., American International College; M.A., Ph.D., University of Connecticut

THEODORE C. DAVIDOVICH (1979) Professor, Music B.A., California State; M.M., New England Conservatory of Music; D.M.A., Stanford University

SUZANNE E. DAVIS (1969) Professor, Psychology B.A., Central Connecticut State College; M.S., Ph.D., University of Massachusetts

HENRY DE LUCA (1993) Assistant Professor, Criminal Justice B.S. Skidmore College; M.A. John Jay College of Criminal Justice; Ph.D. City University of New York Graduate School

PETER J. DEMOS (1970) Professor, Music B.Mus., Michigan State University; M.Mus., Western Michigan University; A.Mus.D., University of Michigan

DAVID A. DOE (1979) Professor, Biology B.S., Bates College; M.S., Northeastern University; Ph.D., University of North Carolina

ARTHUR E. DRISCOLL (1967) Professor, Biology B.S., University of Massachusetts; M.S., Northeastern University; Ph.D., University of Massachusetts

SUSAN E. DUTCH (1981) Professor, Psychology B.A., M.A., Ph.D., University of Connecticut

WILLIAM F. DUVAL (1970) Professor, Psychology B.S., Holy Cross; M.A., University of Connecticut; Ed.D., Indiana University

RONALD R. EDWARDS (1971) Professor, Mathematics A.B., Brown University; M.A.T., Wesleyan University; Ph.D., University of Connecticut

MICHAEL ENGEL (1976) Professor, Political Science B.A., City College of New York; M.A., University of Wisconsin; Ph.D., City University of New York

PHILIP ETTMAN (1982) Professor, Economics and Management B.A., State University New York at Buffalo; J.D., Boston University School of Law; M.B.A., University of Connecticut

TILIA J. FANTASIA (1966) Professor, Movement Science, Sport and Leisure Studies B.S.E., M.Ed., Tufts University; Ed.D., Boston University; J.D. Western New England College

DONALD FERRIS (1992) Assistant Professor, Computer and Information Science A.B., College of Holy Cross; M.S., University of Massachusetts

JEFFREY I. FLATT (1981) Associate Professor, Psychology A.B., Hunter College; M.A., Ph.D., Adelphi University

JULIAN FLERON (1994) Assistant Professor, Mathematics B.A., Cornell University; M.A., University of Minnesota; Ph.D., State University of New York at Albany

LAWRENCE C. FOARD (1966) Professor, Philosophy B.A., Ursinus College; M.Div., Yale University; M.A., University of Pennsylvania; Ph.D., Temple University

RICHARD E. FRANK (1983) Assistant Professor, Education B.A., North Adams State College; Ed.D., University of Massachusetts

LARRY D. FRENCH (1970) Associate Professor, Movement Science, Sport and Leisure Studies B.S., Springfield College; M.Ed., Bridgewater State College; M.S., C.A.G.S., Springfield College

MARCI GINTIS (1984) Professor, Art B.F.A., M.F.A., Tufts University

BRUCE J. GORDON (1974) Associate Professor, Education B.A., M.S., Long Island University; Ed.D., Syracuse University

BRUNO GRALLA (1992) Assistant Professor, Economics and Management B.S., North Adams State College; M.B.A., American International College

GERARD J. GRAVEL (1969) Associate Professor, Movement Science, Sport and Leisure Studies B.S., University of Massachusetts; M.Ed., Kent State University

WALTER L. GRIFFITH (1981) Professor, Computer and Information Science B.S., M.S., Mass. Institute of Technology; Ph.D., Harvard University

MICHAEL L. GURAL (1982) Associate Professor, Economics and Management B.A., MA., Rutgers University

DIANNE HABER (1981) Assistant Professor, Mathematics B.A., Wheaton College; M.A., Hunter College

JOSEPH J. HANRAHAN (1982) Associate Professor, Criminal Justice B.A., M.A., City University of New York; Ph.D., Fordham University

FREDERICK F. HARLING (1966) Professor, History A.B., Tufts University; M.Div., Ph.D., Boston University

BETTY D. HARRIS (1970) Professor, Biology B.A., M.S., Ph.D., Wayne State University

GERALD HEALY (1981) Associate Professor, Economics and Management A.A., Holyoke Community College; B.A. American International College; M.B.A. American International College; C.L.U., The American College

MARTIN R. HENLEY (1977) Professor, Education B.A., State University of New York at Oswego; M.S., Ph.D., Syracuse University

NITZA HIDALGO (1994) Associate Professor, Education B.A., Hunter College; Ed.M., Ed.D., Harvard University

WARREN H. HILL, JR. (1970) Professor, Mathematics B.Ed., Keene State College; M.S.T., University of New Hampshire; Ph.D., Peabody College

MARCIA HORNE (1988) Professor, Education B.S., State University of New York at Plattsburgh; M.Ed., Framingham State Teachers College; Ed.D., Boston University

JANET HUNTZINGER (1994) Associate Professor, Education B.S., Kearney State College; M.S., Kansas State University; Ed.D. Oklahoma State University

LESTER T. HUTTON (1970) Associate Professor, History B.A., University of Chicago; M.A., Eastern Illinois University; Ph.D., University of Illinois

JOHN W. IFKOVIC (1978) Professor, History B.A., Fordham University; M.A.T., Yale University; Ph.D., University of Virginia

STANLEY JACKSON (1991) Assistant Professor, Psychology B.S., Union College; M.A., Ph.D., University of Colorado

JESSE W. JAMES (1977) Associate Professor, Sociology and Social Science A.B., Lincoln University; M.A., Ph.D., University of Massachusetts

ARTHUR A. JANNERY (1979) Associate Professor, Music Mus.B., Mus.M., Boston University

MICHELLE JOHNSON (1996) Assistant Professc Communication B.A., Indiana University; A.M., Stanfo University; Ph.D., University of Washington

JOHN J. JONES (1977) Assistant Professor, Criminal Justice B.S University of Maine; M.S., Youngstown State University

JOHN JUDGE (1988) Professor, Mathematics B.S., M.S University of Rhode Island; Ph.D., University of Connecticut

LESLIE KANE (1979) Professor, English B.A., Brooklyn Colleg M.A., Fairleigh Dickinson University; Ph.D., New Yo University

RICKI E. KANTROWITZ (1983) Professor, Psychology B.A Simmons College; M.A., Ph.D., Michigan State University

MARTIN KAUFMAN (1969) Professor, History B.A., Bosto University; M.A., University of Pittsburgh; Ph.D., Tular University

BARBARA KEIM (1985) Professor, Art B.S., Ithaca College M.A.T., Rhode Island School of Design; M.F.A. Syracus University; Ed.D., University of Massachusetts

STEPHANIE B. KELLY (1986) Associate Professor, Geograph and Regional Planning B.S., Bridgewater State College; M.E.P. Arizona State University; Ed.D. University of Massachusetts

ROBERT KERSTING (1996) Assistant Professor, Sociology B.A. Hope College, M.S.W., Fordhoam University, Ph.D., Rutger University

ANDREW S. KIM (1965) Associate Professor, Mathematics B.S. Seoul National University; M.S., University of Massachusetts

BRUCE KING (1988) Assistant Professor, Mathematics B.A. University of Massachusetts; M.A.T., Simmons College

BRADFORD KNIPES (1988) Associate Professor, Economics and Management B.B.A., Ph.D., University of Massachusetts

TRUDY KNOWLES (1994) Assistant Professor, Education B.A. Center College; M.S., University of Nebraska at Omaha; Ph.D. University of Tennessee

MICHAEL F. KONIG (1985) Professor, History B.A., United States International College; M.A., University of San Diego; Ph.D., Arizona State University

WALTER A. KORZEC (1973) Professor, Art B.A., University of Massachusetts; M.Ed., Westfield State College

NANCY KOTZEN (1981) Professor, Economics and Management B.S., B.A., University of Bridgeport; M.A., Suffolk University; M.B.A., Western New England College

)AVID A. LAING (1977) Assistant Professor, Movement Science, port and Leisure Studies B.S., M.S., C.A.G.S., Springfield ollege

)ONALD L. LANDRY (1965) Professor, Education B.S., M.Ed., Vestfield State College; Ph.D., University of Connecticut

AREN LA VOIE (1993) Assistant Professor, Music B.A., olumbia College; M.M., Western Michigan University; D.M.A., niversity of Iowa

UEH-TING LEE (1994) Assistant Professor, Psychology B.A., hangsha Railway University; M.S., Beijing Normal University; I.A., State University of New York at Stony Brook; Ph.D., State niversity of New York

OBERT L. LEHAN (1968) Professor, English B.F.A., M.F.A., oston University

ARL K. LEIKER (1976) Professor, Geography and Regional anning B.A., Fort Hays Kansas State College; M.A., University Missouri; Ph.D., Pennsylvania State University

ELESTE M. LOUGHMAN (1972) Professor, English B.S., merican International College; M.A.T., Smith College; Ph.D., niversity of Massachusetts

)HN A. LOUGHNEY (1979) Professor, Philosophy B.S., St. seph's University; M.A., Ph.D., Purdue University

AVID A. LOVEJOY (1970) Professor, Biology B.A., Ph.D., niversity of Connecticut

UE MA (1995) Assistant Professor, Criminal Justice L.L.M., niversity of Minnesota; M.A., Ph.D., Rutgers University

OMAZENGELE MANGALISO (1992) Assistant Professor, ociology B.A., Fort Hare University South Africa; M.S., Cornell niversity; M.A., Ph.D., University of Massachusetts Amherst

LOYD K. MANZER (1970) Associate Professor, Music B.M., oston University

ORACE MARCHANT (1978) Professor, Psychology B.A., awrence University; M.S., Ph.D., University of Massachusetts

AMES MARTIN-REHRMANN (1989) Associate Professor, lucation B.A., St. Vincent College; M.Ed., University of ermont; Ph.D., Syracuse University

MICHAEL McCARTNEY (1976) Assistant Professor, Criminal stice B.A., Fordham University; M.A., American International ollege

THOMAS McFARLIN (1978) Assistant Professor, Economics and Management B.S., University of Pennsylvania; M.B.A., Western New England College

ROBERT A. McGUIGAN (1974) Professor, Mathematics B.A., Carleton College; Ph.D., University of Maryland

KATHLEEN M. McINTOSH (1980) Professor, Foreign Languages and Literatures B.A., Mount Holyoke College; Ph.D., University of Massachusetts

BERNARD G. McMAHON (1965) Professor, Art B.S.E., Massachusetts College of Art; M.A.T., Assumption College

JOAN MENTO (1991) Assistant Professor, English B.A., University of Massachusetts; M.A., University of New Hampshire; M.A., D.A., Idaho State University

ALIDA V. MERLO (1975) Professor, Criminal Justice A.B., Youngstown State University; M.S., Northeastern University; Ph.D., Fordham University

GARY E. MERLO (1983) Assistant Professor, Economics and Management B.B.A., University of Massachusetts; M.B.A., Western New England College

GREGG B. NEIKIRK (1994) Assistant Professor, English B.A., Centre College of Kentucky; M.A., Ph.D. University of Kentucky

LINDA NOBER (1976) Professor, Education B.A., M.S., Adelphi University; Ed.D., University of Massachusetts

WILLIAM NOWLAN (1996) Assistant Professor, Movement Science, Sport and Leisure Studies B.S., M.Ed., Springifeld College

RUTH OHAYON (1987) Professor, Foreign Languages and Literatures B.A., Queens College; M.A., University of Maryland; Ph.D., Columbia University

GIL ONWOCHEI (1987) Assistant Professor, Communication B.S., Middle Tenessee State University; M.A., Ph.D., University of Oklahoma

RAYMOND T. OURAND (1967) Associate Professor, Foreign Languages and Literatures B.S., Georgetown University; M.A., American University

JOSEPH L. PAPPALARDO (1969) Professor, Education B.S., Merrimack College; M.Ed., Boston State College; C.A.G.S., Ed.D., Boston University

LAURENCE PAQUETTE (1987) Professor, Economics and Management B.S., B.A., Western New England College; B.A., M.B.A., Ph.D., University of Massachusetts

ANNE D. PASQUINO (1967) Professor, Computer and Information Science B.A., Emmanuel College; M.A.T., Brown University; Ed.D., University of Massachusetts

JOHN D. PAULMANN (1986) Associate Professor, Communication B.A., Fordham University; M.A., Columbia University; Ph.D., New York University

KATHLEEN B. PELLEGRINO (1978) Professor, Economics and Management B.S., Boston University; M.B.A., Western New England College

JAMES W. PHILLIPS (1967) Professor, Biology B.A., Dickinson College; M.S., University of Pennsylvania; Ph.D., University of Massachusetts

ERIKA E. PILVER (1975) Professor, Political Science B.A., M.A., Ph.D., University of Connecticut

ELIZABETH PRESTON (1990) Assistant Professor, Communication B.A., Bates College; M.A., Ph.D., University of Massachusetts

GEORGE PSYCHAS (1967) Professor, Geography and Regional Planning B.A., M.A., Eastern Michigan University; Ed.D., University of Massachusetts

ANDREW R. RAPOSA (1965) Professor, Political Science B.S., Boston University; M.A.T., Brown University; Ph.D., University of Massachusetts

JOAN RASOOL (1989) Associate Professor, Education B.A., Ed.D., University of Massachusetts

ROBERT RAUSCH (1994) Assistant Professor, Movement Science, Sports, and Leisure Studies B.S., M.S., University of Wisconsin La Crosse; Ph.D., University of Minnesota

BROOKS ROBARDS (1979) Professor, Communication A.B., Bryn Mawr; M.A., University of Hartford; Ph.D., University of Massachusetts

BETTE B. ROBERTS (1976) Professor, English B.A., Miami University, Ohio; M.A., Northwestern University; Ph.D., University of Massachusetts

PATRICK V. ROMANO (1971) Professor, Physical Science B.A., American International College; Ph.D., Worcester Polytechnic Institute

GEORGE ROGERS (1988) Professor, Music B.S.E., Ohio State University; M.M.E., D.M.E., Indiana University

BETH ROTHERMEL (1996) Assistant Professor, English B.A., University of Virginia; M.A., University of Texas at Austin

MATTEO ROVETTO (1966) Professor, Foreign Languages a Literatures B.A., Utica College; M.A., D.M.L., Middlebu College

NAPOLEON N. SANCHEZ (1972) Professor, Foreign Languag and Literatures B.A., Westfield State College; M.A., Ph.D University of Massachusetts

SAMUEL T. SCOTT (1971) Associate Professor, Physical Scienc B.S., Massachusetts Institute of Technology; M.A., Ph.D., Bosto University

CATHERINE B. SHANNON (1967) Professor, History B.A University of Toronto; M.A., National University of Irelan Ph.D., University of Massachusetts

LYNN SHELLEY 1995) Assistant Professor, Psychology B.A. Saint Mary's College; M.A., Ph.D., Fordham University

CHRISTOPHER R. SLAUGHTER (1995) Assistant Professor, English B.A., Virginia Intermont College; M.F.A., University c Memphis

JOHN SONGDAHL (1982) Professor, Biology A.B., Stat University of New York at Cortland; M.S., University of Miami Ph.D., University of Rhode Island; M.B.A., Nichols College

STEPHEN C. SOSSAMAN (1975) Professor, English B.A. Columbia University; M.A., State University of New York a Stony Brook

CHERYL STANLEY (1993) Assistant Professor, Education B.A. Spelman College; M.A., George Washington College; Ed.D. University of Massachusetts Amherst

BRIAN STEINBERG (1978) Professor, Political Science B.A. University of Connecticut; M.A., University of Wisconsin; Ph.D. New York University

HAROLD EDWARD STESSEL (1986) Professor, English B.A., University of North Carolina; M.A., University of Chicago; Ph.D., University of Pennsylvania

KATHRYN SULLIVAN (1992) Assistant Professor, Economics and Management B.S., University of Lowell; M.S., Simmons College; M.B.A., University of Lowell; Ph.D., University of Massachusetts Amherst

JACK SZPILER (1977) Professor, Psychology B.A., University of Dayton; M.S., Ed.D., University of Massachusetts

TRAVIS TATUM (1988) Associate Professor, Education B.A., University of California; M.A., University of Michigan; Ed. D., University of Massachusetts

GERALD E. TETRAULT (1967) Professor, Philosophy A.B., M.A., Boston University

OOMMEN THOMAS (1980) Associate Professor, Economics and Management B.A., Sid College, Kerala, India; M.A., Aligarh Muslim University; M.B.A., Western New England College

DONALD TREADWELL (1987) Associate Professor, Communication B.S., Victoria University of Wellington; M.P.S., Cornell University; Ph.D., Rennsselaer Polytechnic Institute

ROGER M. TUDOR (1991) Associate Professor, Psychology B.S., University of Florida; M.A., Ph.D., University of South Florida

R. FREDERICK TWENTER (1969) Professor, History B.A., Fort Hays Kansas State College; M.A., Ph.D., University of Connecticut

CAROL L. VERMILLION (1967) Assistant Professor, Movement Science, Sport and Leisure Studies B.S., M.Ed., Kent State College

DAVID E. VINCENT (1966) Professor, Geography and Regional Planning B.S.E., Salem State College; M.A., Clark University

JOHN R. WAGNER (1986) Associate Professor, Economics and Management B.A., Kutztown State University; M.A., Ph.D., Temple University

JAMIE WAINRIGHT (1995) Assistant Professor, Art B.F.A., Western Michigan University; M.A., M.F.A, University of Wisconsin at Madison

SUZANNE M. WALSH (1984) Professor, Biology B.S., Kutztown State University; M.S., Ph.D., West Virginia University

SHUJEN WANG (1993) Assistant Professor, Communication B.A. Chinese Culture University (Taiwan); M.S. Indiana University; Ph.D. University of Maryland

MARY ALLEN WATSON (1993) Assistant Professor, Movement Science, Sport and Leisure Studies B.A., Columbia College; M.A. University of North Carolina at Chapel Hill; Ed.D. University of North Carolina at Greensboro

MICHAEL A. YOUNG (1984) Assistant Professor, Physical Science B.S., B.A., M.S., University of Minnesota; M.S., University of Massachusetts

PHILIP ZAMPINI (1992) Associate Professor, Political Science B.A., Providence College; M.A., Ph.D., Miami University (Oxford, Ohio)

LIBRARIANS

MADELEINE CHARNEY (1994) Assistant Librarian B.A., State University of New York at Binghamton; M.L.S., University of Rhode Island

ARTHUR MESSIER (1992) Associate Librarian B.A., College of the Potomac; M.L.S., University of Rhode Island

RALPH WAGNER (1994) Associate Librarian (Reference) A.B., Middlebury College; M.L.S., Rutgers University; M.I.M., American Graduate School for International Management

SIGNIA WARNER (1994) Associate Librarian B.A., University of California; M.L.S., State University of New York at Albany Ed.D., University of Massachusetts

SUSAN WELLS (1993) Associate Librarian B.A., College of Our Lady of the Elms; M.L.S., State University of New York at Albany

FACULTY EMERITI

EDGAR C. ALWARD (1962) Associate Professor Emeritus English A.B., Gordon College; M.Ed., University of Maine

JOAN CORELL (1968) Professor Emeritus, Psychology B.S Wagner College; M.S., Ph.D., Indiana University

BERNARD J. FLEURY (1968) Professor Emeritus, Educatio B.A., M.S., Ed.D., University of Massachusetts

CATHERINE DOWER GOLD (1956) Professor Emeritus, Musi A.B., Hamline University; M.A., Smith College; Ph.D., Catholi University

WALLACE L. GOLDSTEIN (1956) Professor Emeritus, Englisl B.S.Ed., Bridgewater State College; M.A., Columbia University Ph.D., New York University

LOUISE B. HAAS (1969) Professor Emeritus, Education B.S. University of Connecticut; M.A., Central Connecticut Stat College; Ed.D., Nova University

BARBRA A. HOLLAND (1970) Associate Professor Emeritus Education B.S., Eastern Michigan University; M.S., Michigar University

ALPHONSE J. JACKOWSKI (1964) Professor Emeritus, Mathematics B.S., M.S., University of Massachusetts

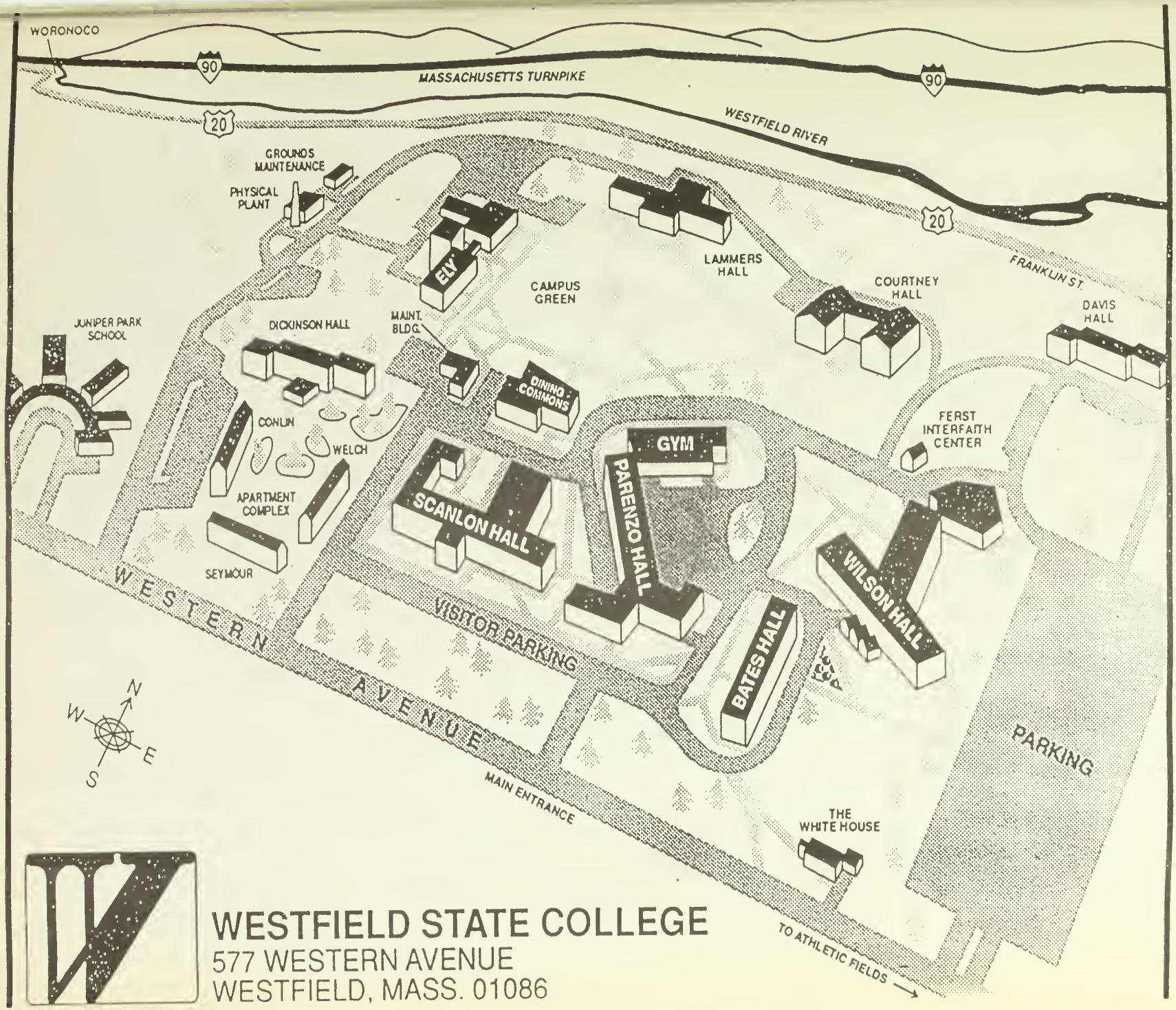
DANIEL J. KOURY (1982) Professor Emeritus, Music B.M., Ph.D., Boston University

LAWRENCE W. LATOUR (1966) Associate Professor Emeritus, Education B.S., M.Ed., Westfield State College; C.A.G.S., University of Connecticut

JOSEPH F. PEREZ (1963) Professor Emeritus, Psychology B.A., University of Connecticut; M.Ed., Boston University; Ph.D., University of Connecticut

MARTHA van ALLEN (1970) Professor Emeritus, Movement Science, Sport, and Leisure Studies B.S., Cortland College; M.Ed., Saint Lawrence University; D.P.E., Springfield College

BARBARA WELCH (1968) Professor Emeritus, English B.A., Newton College; M.A., Boston College; Ph.D., University of Michigan



WESTFIELD STATE COLLEGE

577 WESTERN AVENUE
WESTFIELD, MASS. 01086